ATTACHMENT B

AREA OF REVIEW AND CORRECTIVE ACTION PLAN [40 CFR 146.84(b)]

1. FACILITY INFORMATION

Facility name: River Parish Sequestration – RPN 4

Facility contact: Andrew Chartrand, VP, Regulatory and Environmental
1333 West Loop South, Suite 830, Houston, TX 77027
832-696-0052, andrew.chartrand@blueskyinfrastructure.com

Well name/location: RPN-4-INJ, Iberville Parish, Louisiana

Table 1-1: Permit Application Injection Well:

Well	Parish/State	Latitude (NAD27)	Longitude (NAD27)
RPN-4-INJ	Iberville, LA	[redacted]	[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

Table 2-1: Proposed schedule for bringing RPS North Fairway injection wells online

[redacted]

The simulation input file, as well as documents describing porosity and permeability distributions, are uploaded on GSDT along with this application.

2.1 Model Background

Model name: GEM simulator (version 2022.10)

Model authors/institution: Computer Modeling Group, LLC

The industry standard software, GEM simulator from Computer Modeling Group, was used to perform all CO_2 storage forward modeling at RPS. It can model all miscible CO_2 trapping and injection mechanisms including structural, dissolution, residual gas trapping, and mineralization, as well as simulate gas condensation, viscosity reduction, and the formation of a miscible, multi-unit, solvent bank. It has been deployed in many research and real-world field studies.[2] GEM uses the Peng-Robinson or Soave-Redlich-Kwong equation of state (EoS) to predict phase equilibrium

[redacted]

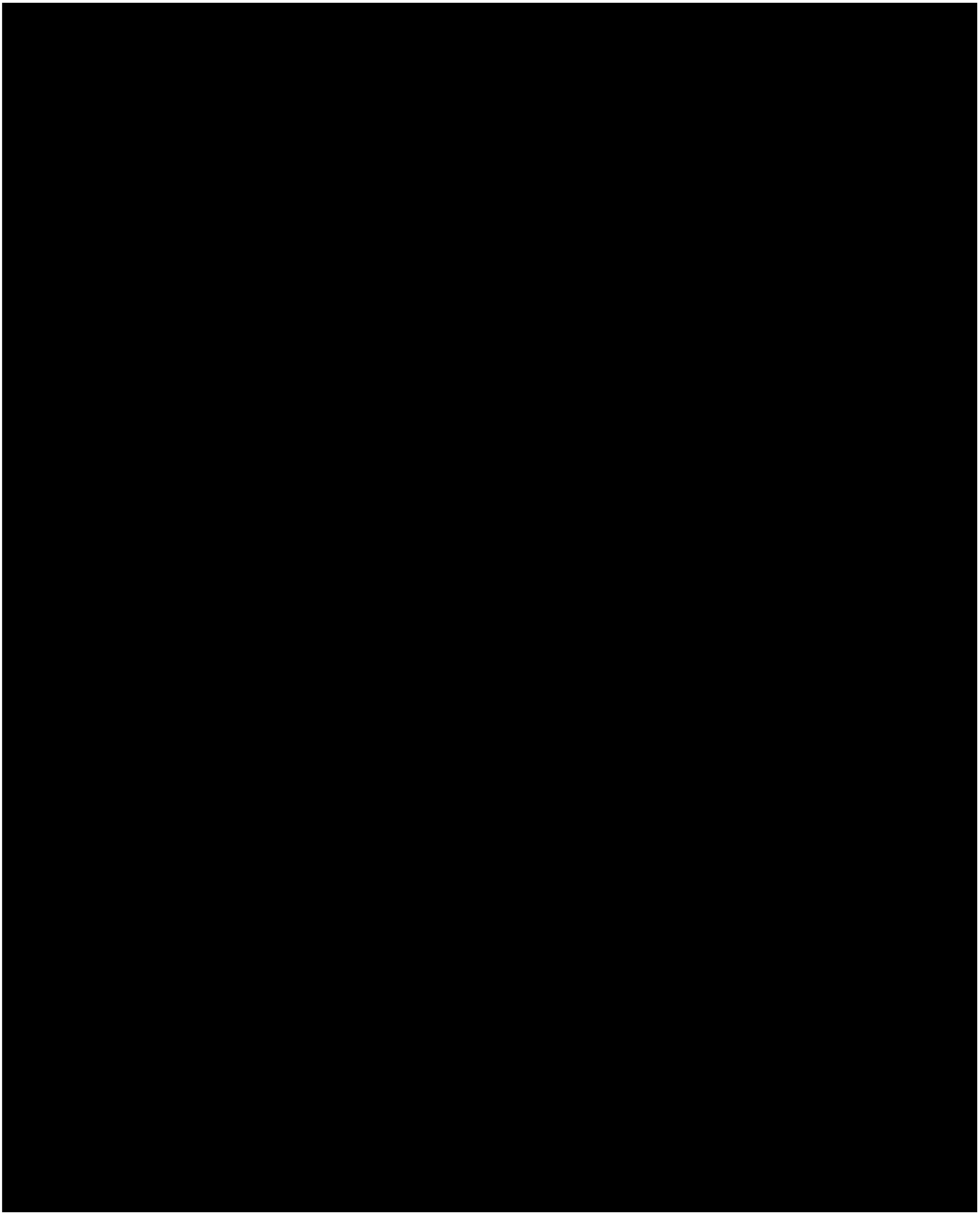
[redacted]

compositions and densities, and pressure and saturation values for each grid cell are calculated using a finite-difference approximation method.[3]

[redacted]

[3] *CMG GEM User Guide* version 2021.10

[redacted]



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2.2 Site Geology and Hydrology

A review of the geological and hydrological context is provided in the site characterization section of the application (**Section 2** of the **Application Narrative**). This section summarizes conclusions that are relevant to the AoR modeling effort.

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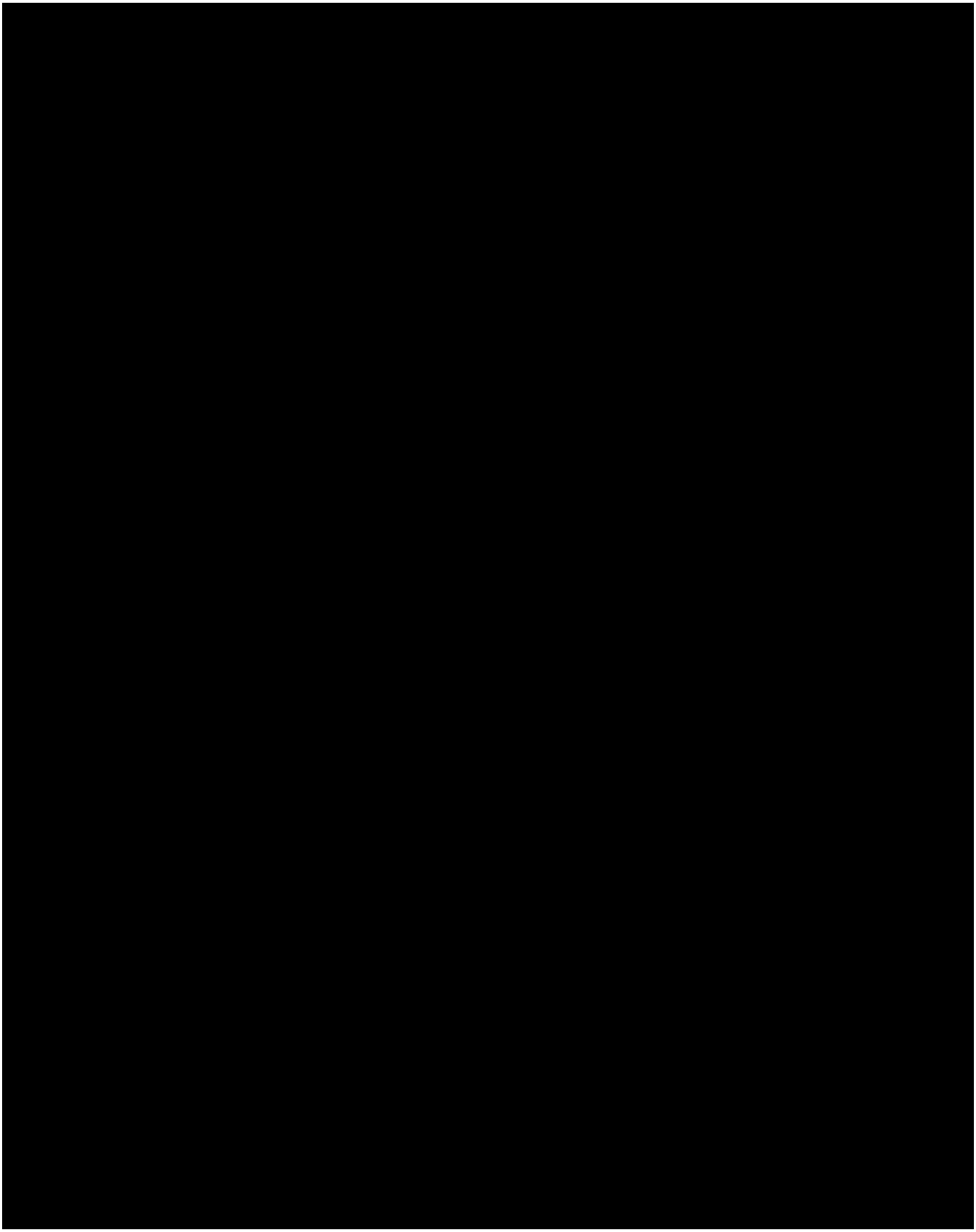

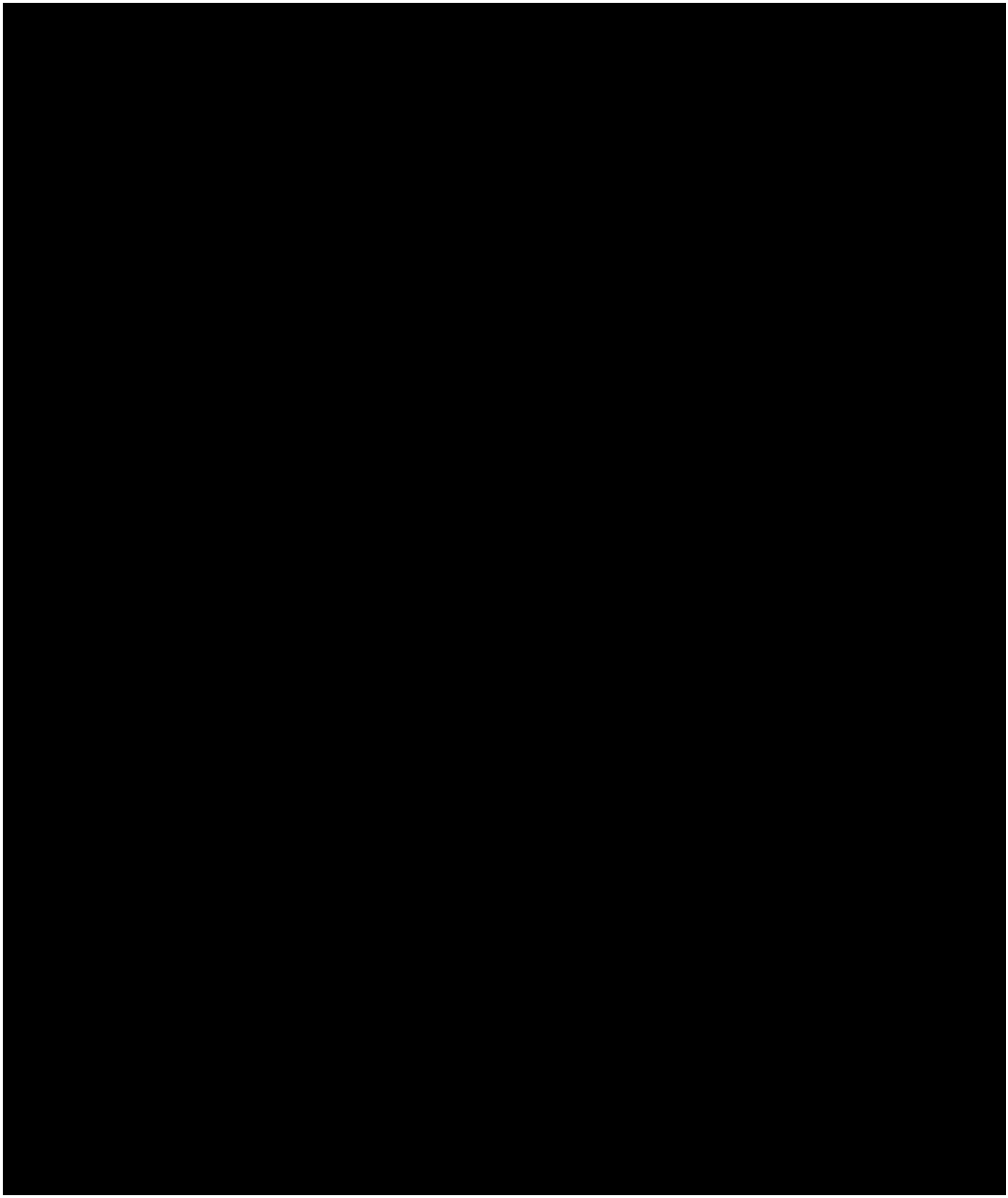

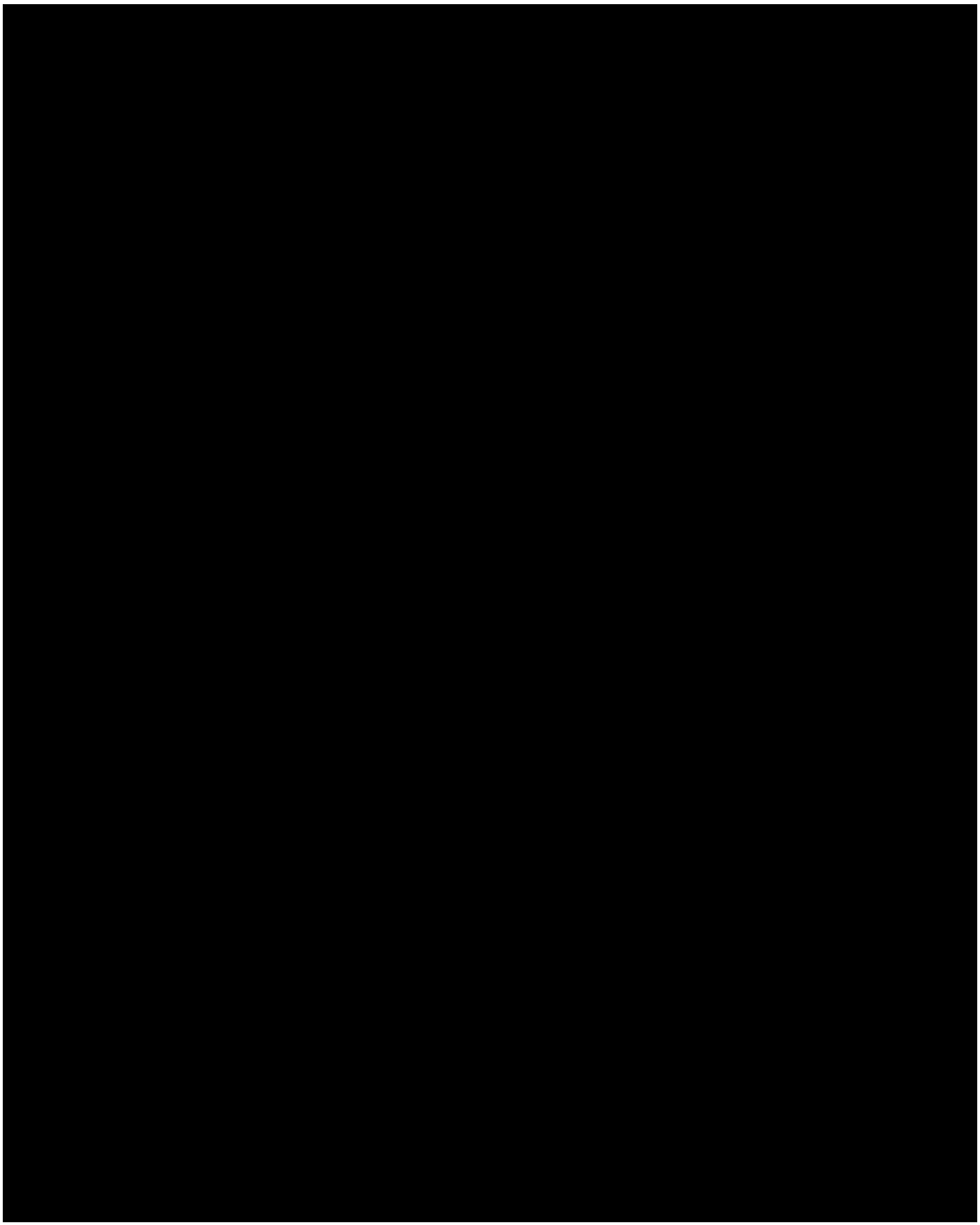

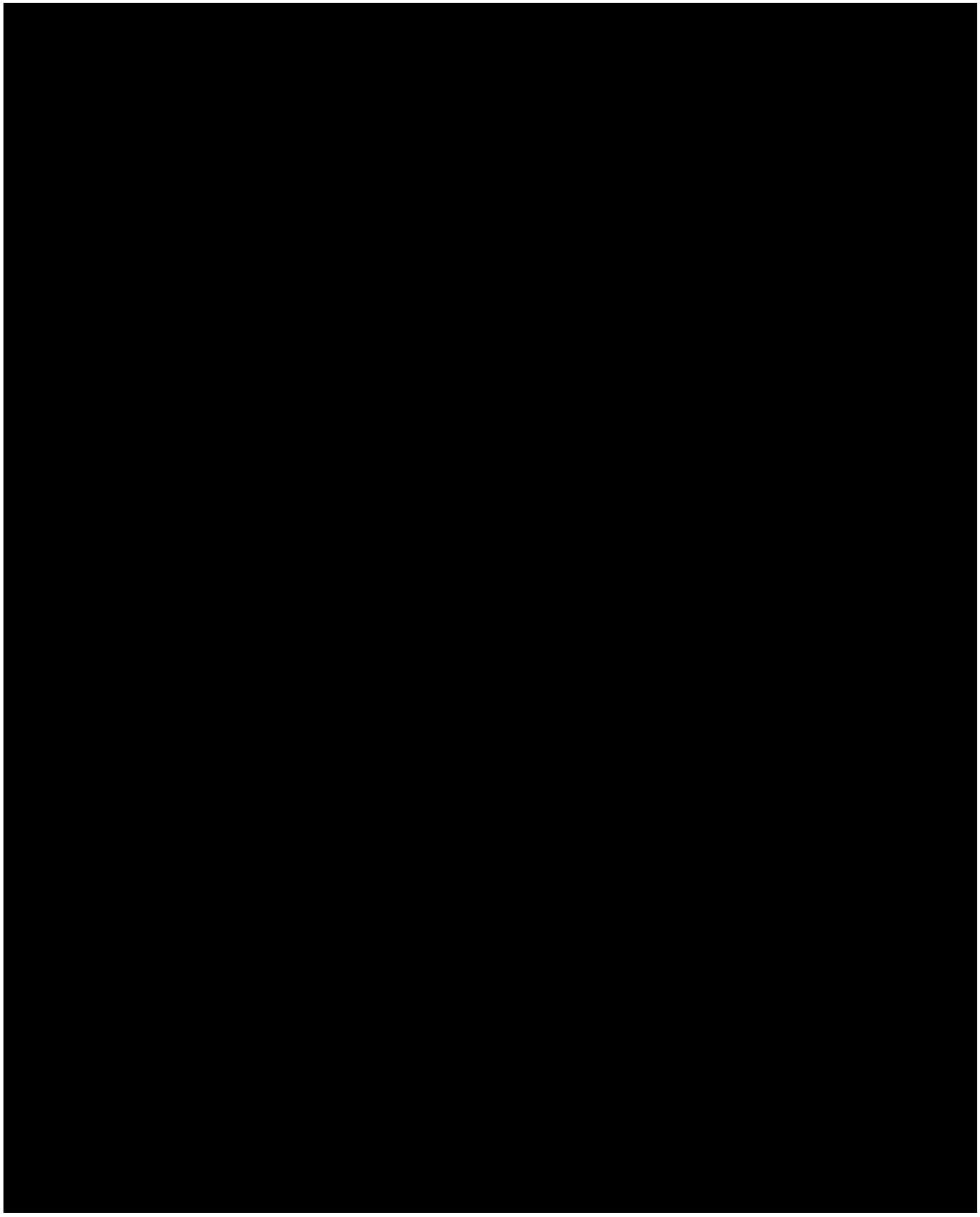

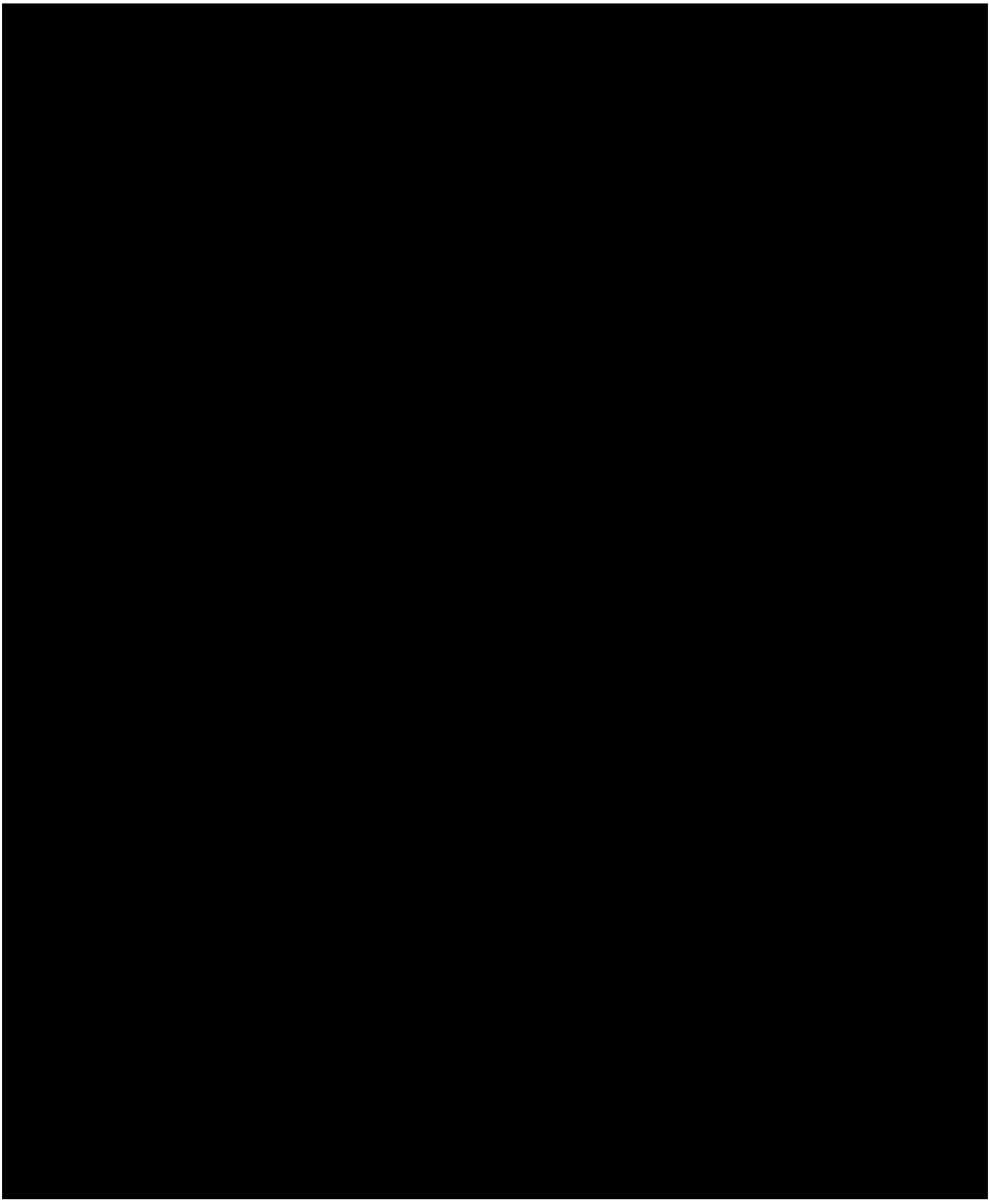

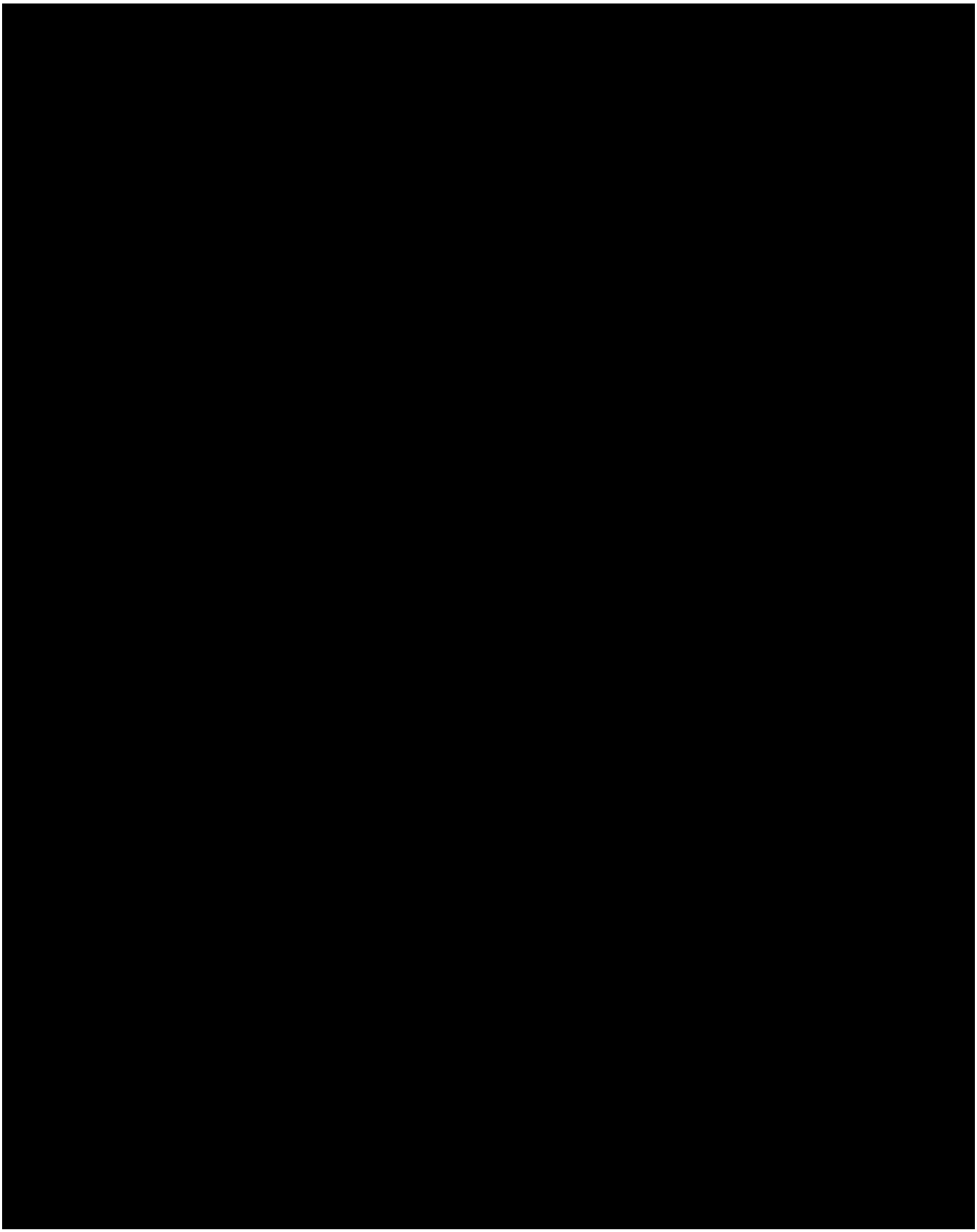

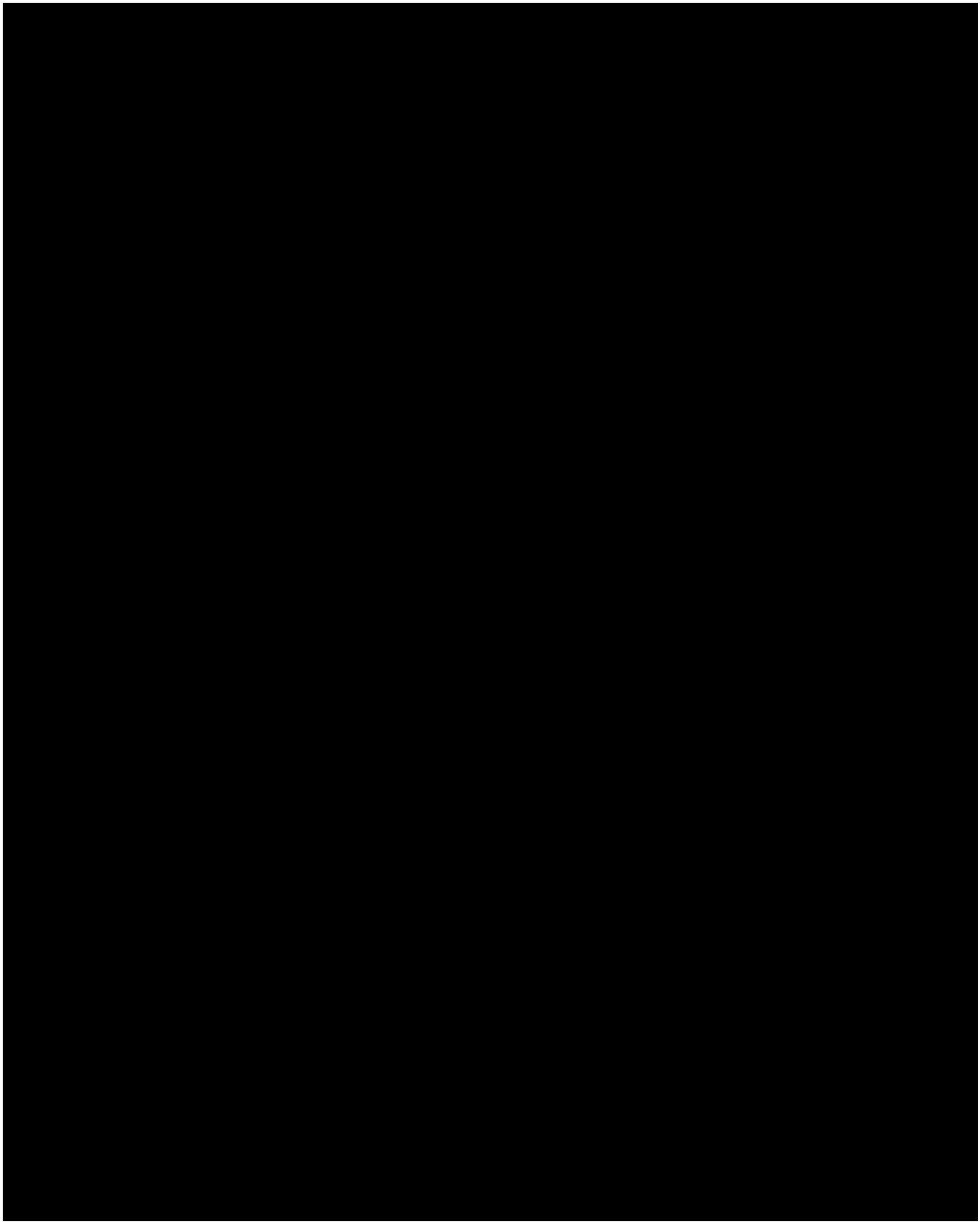

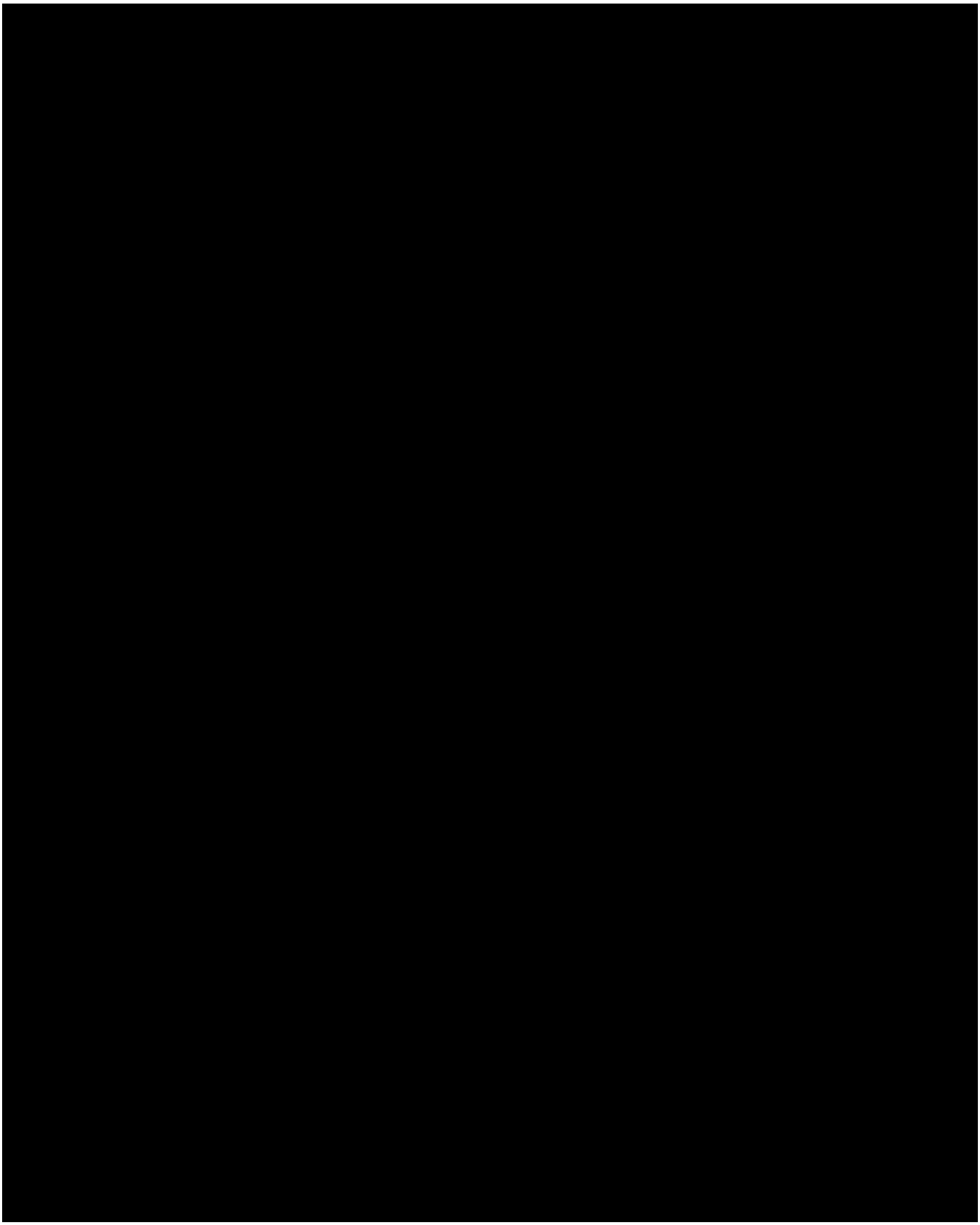

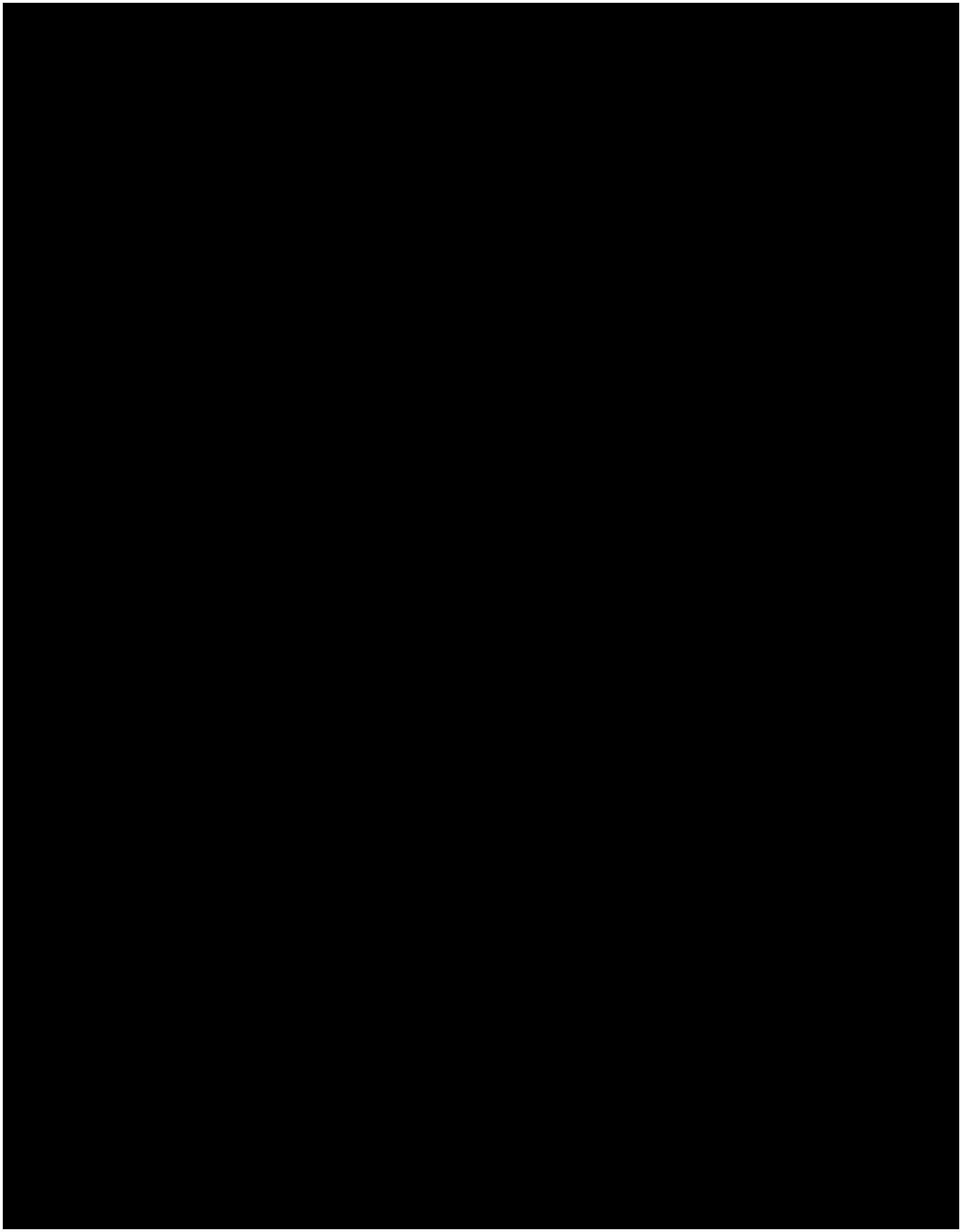

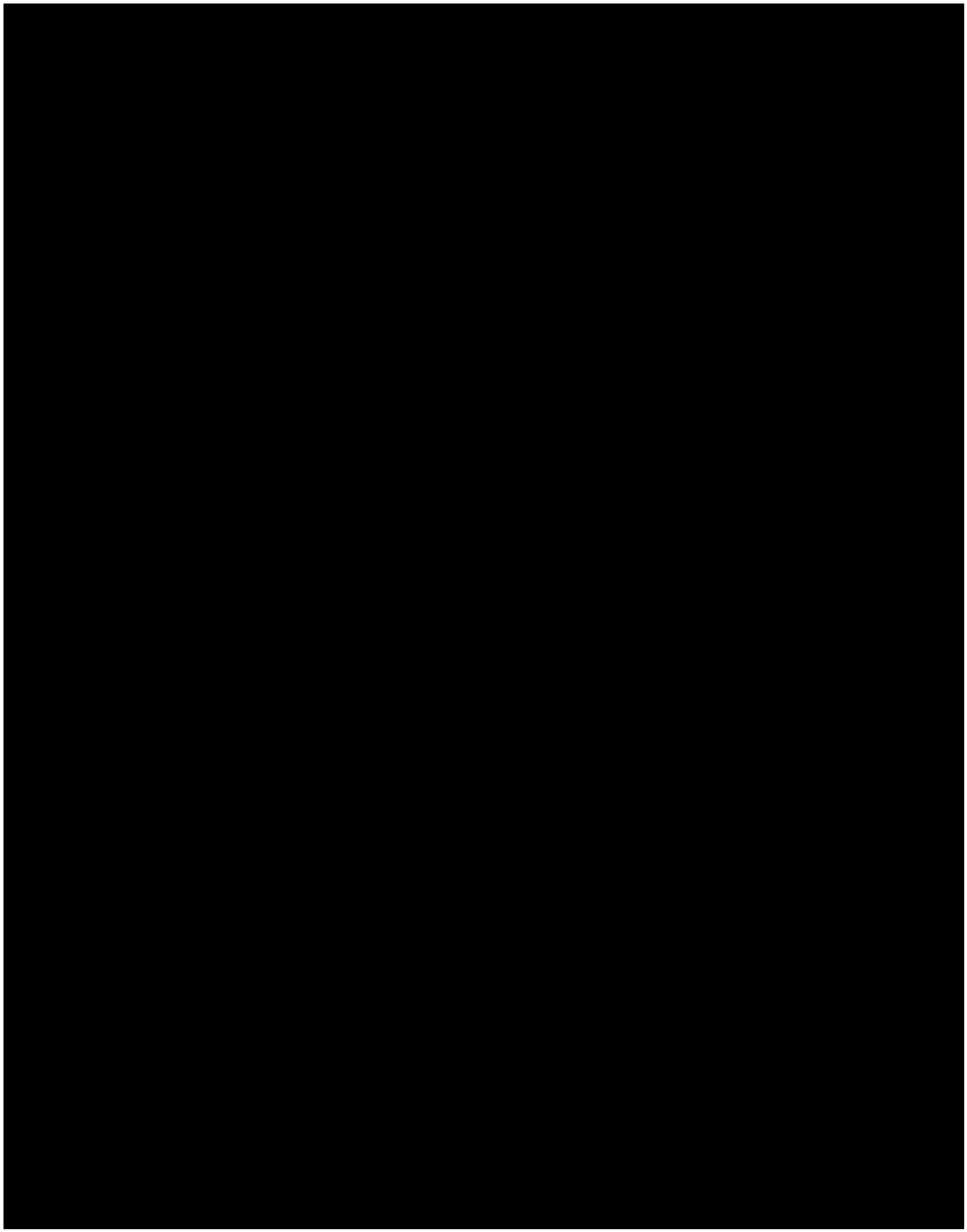

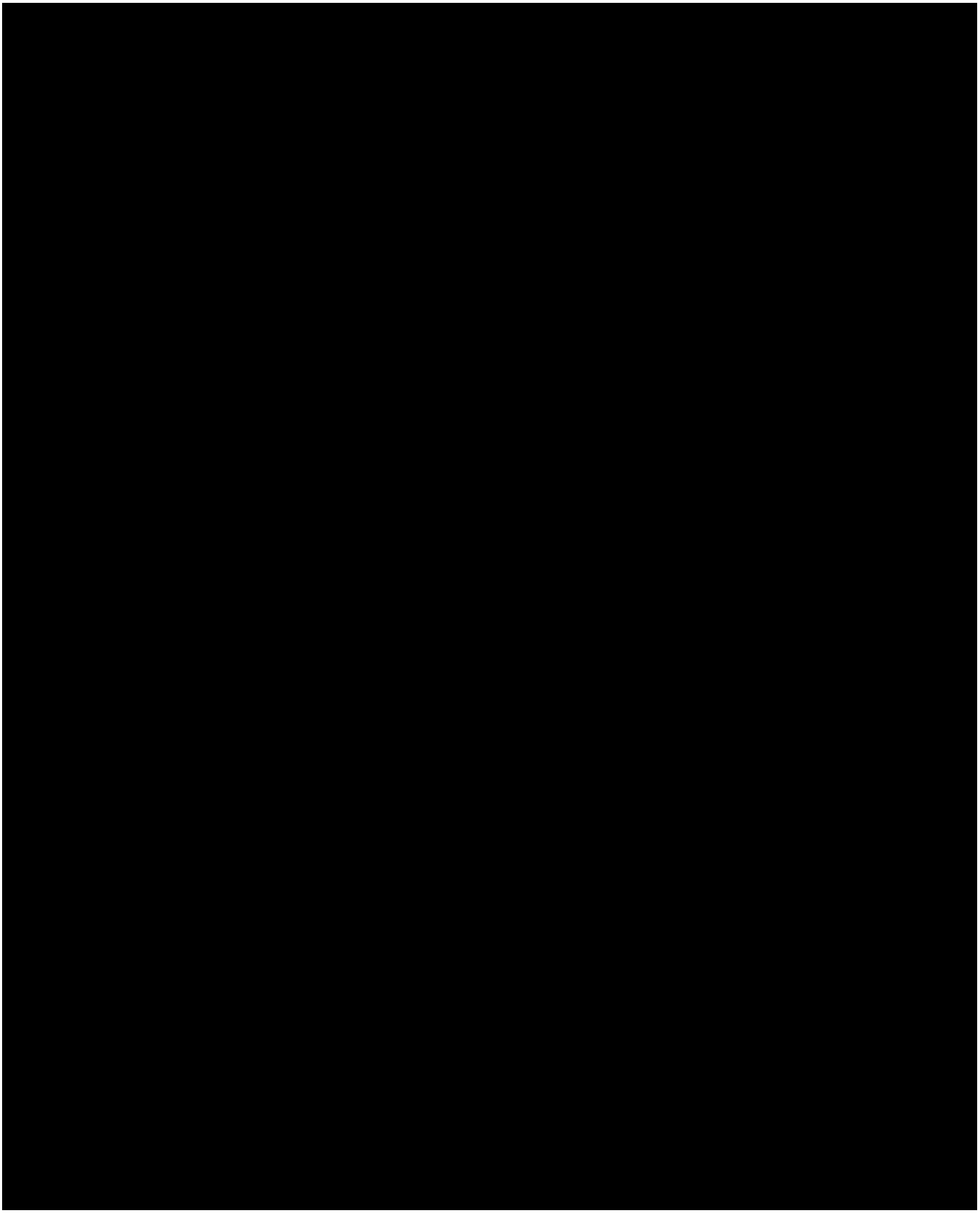

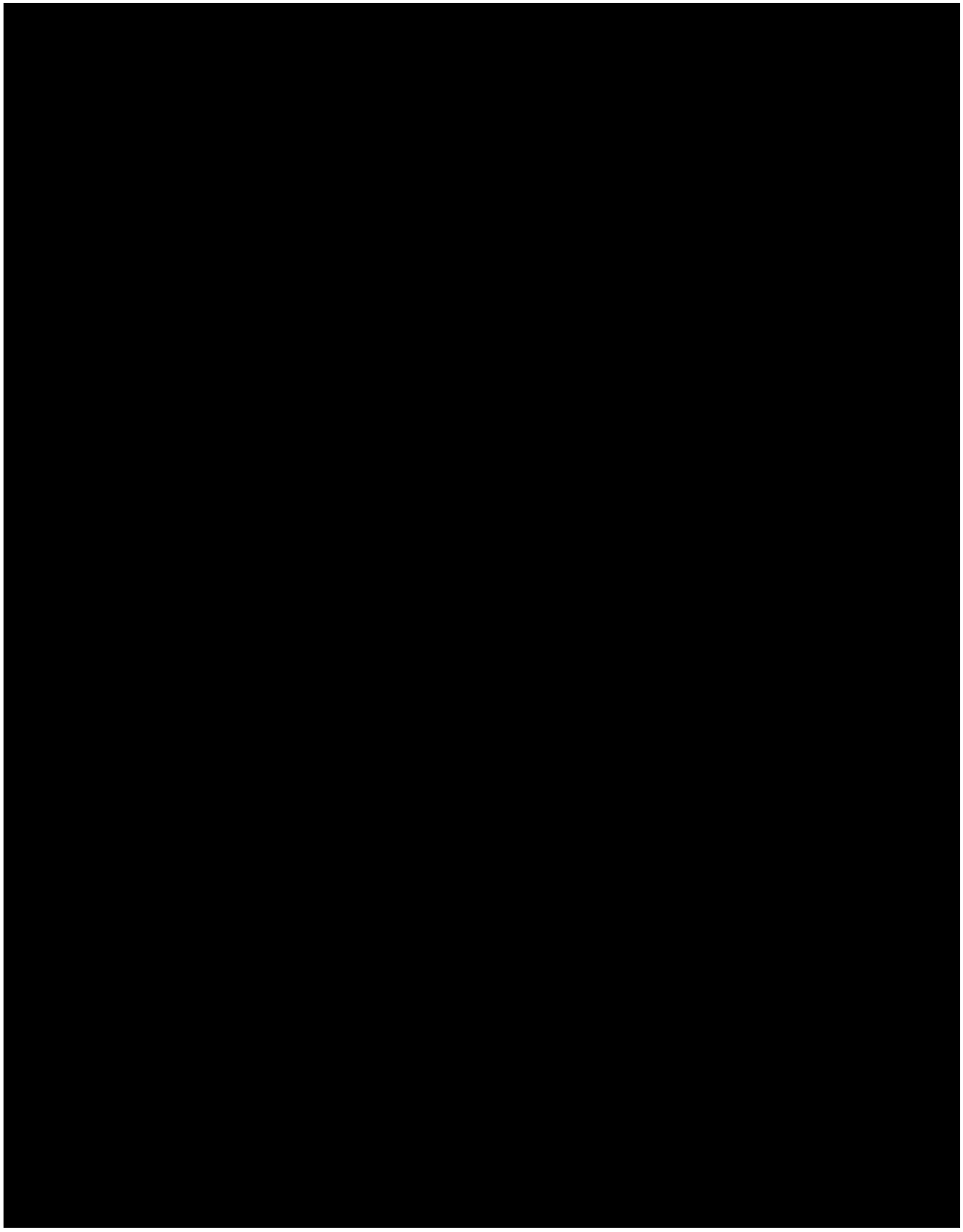

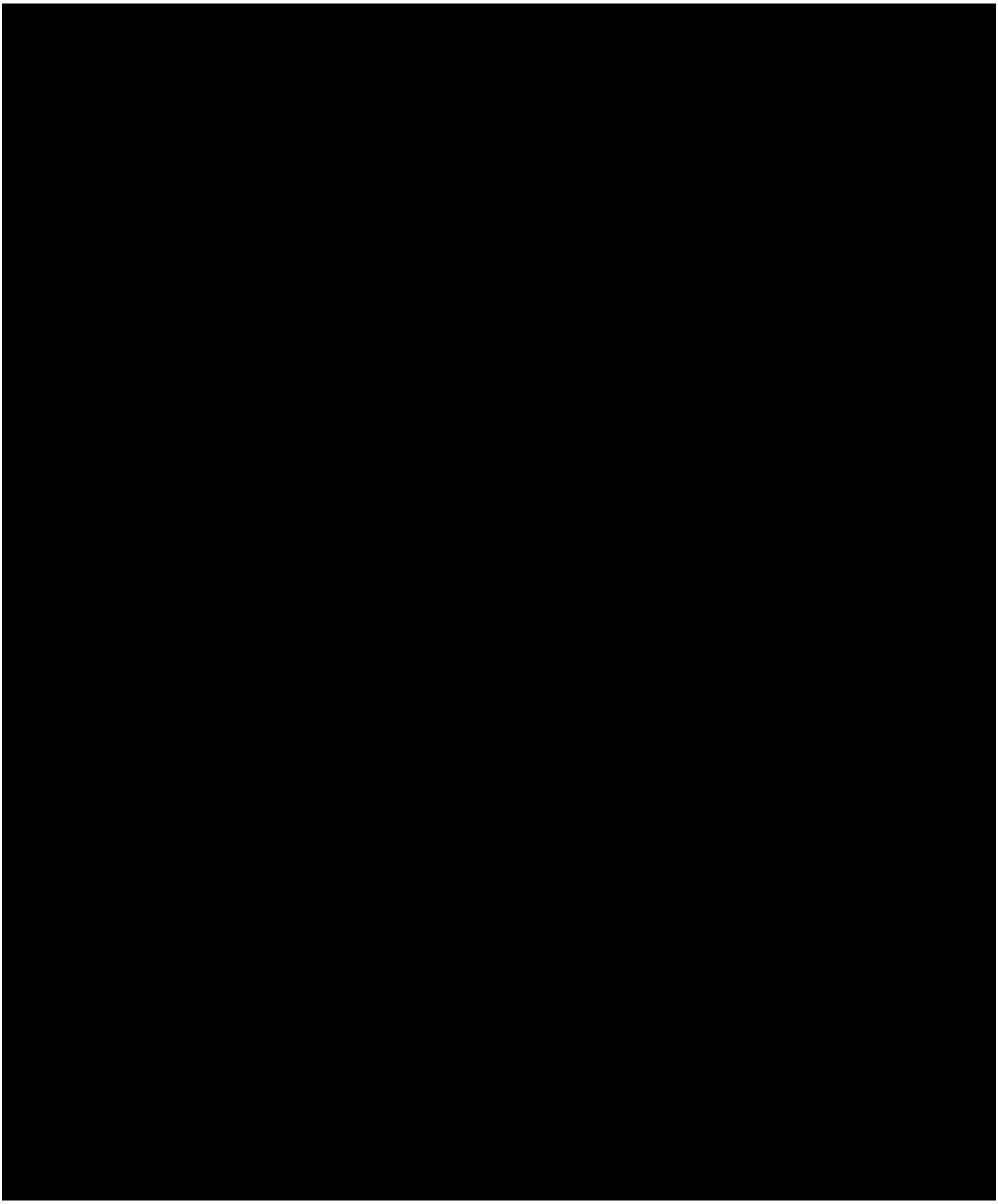

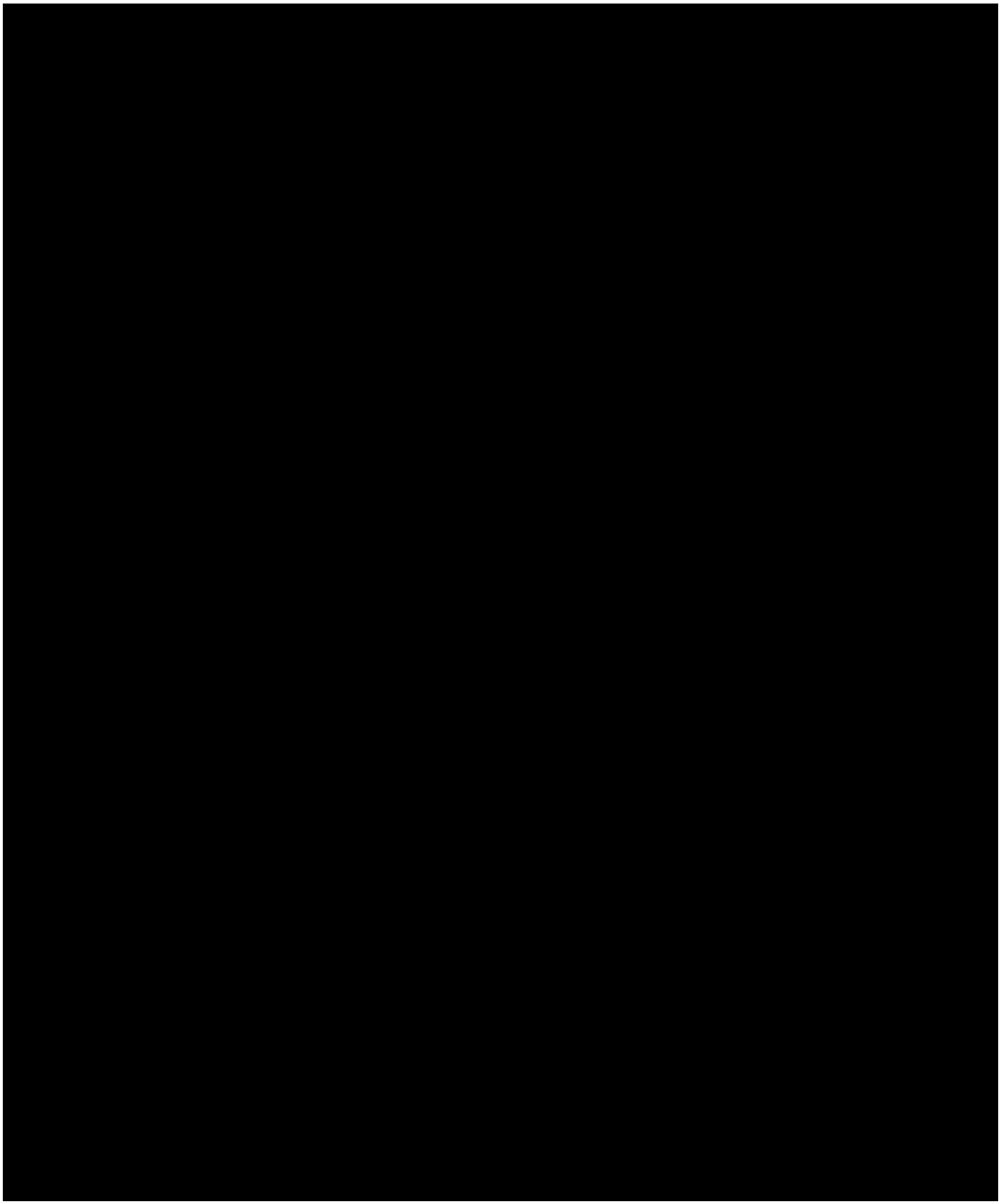

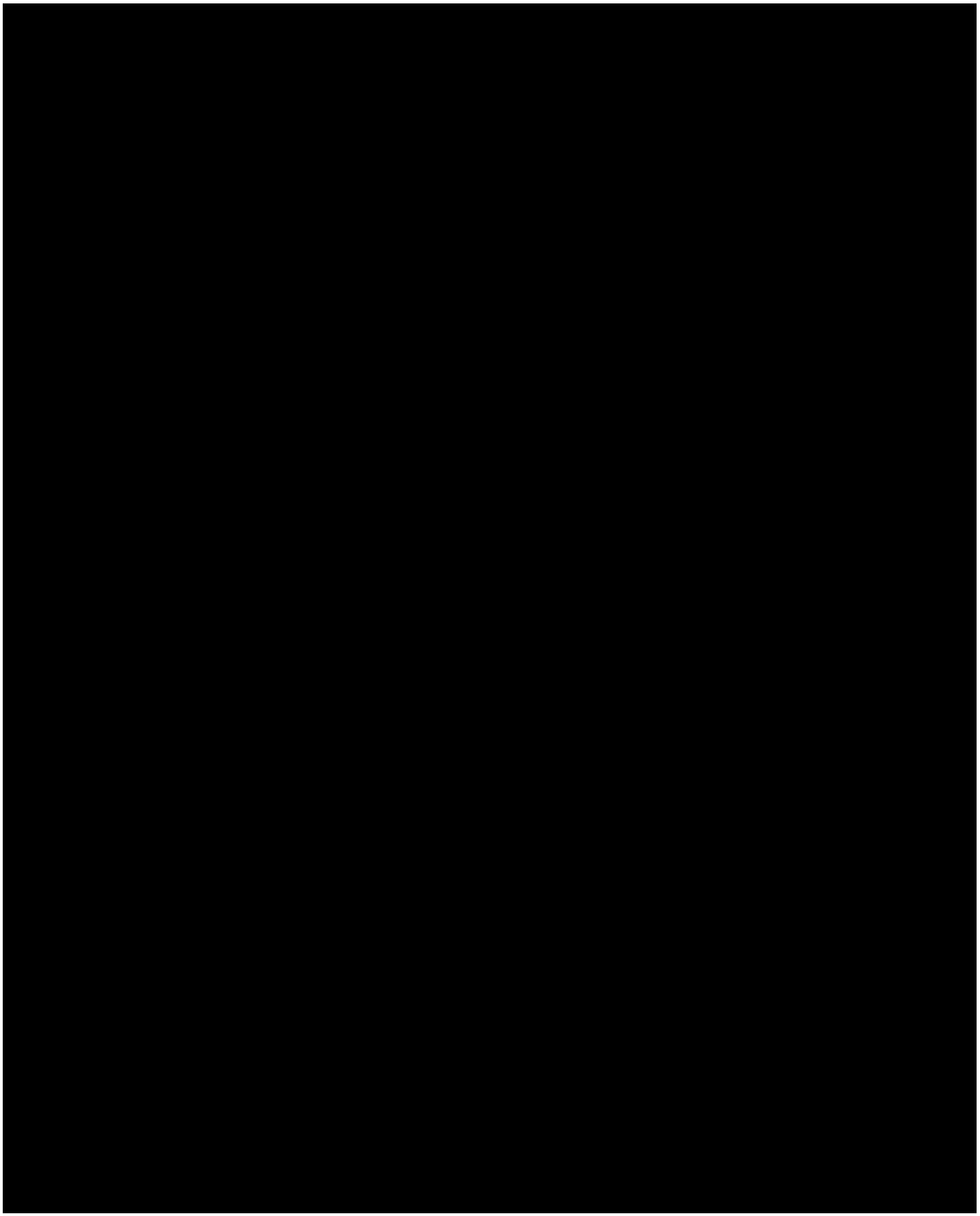

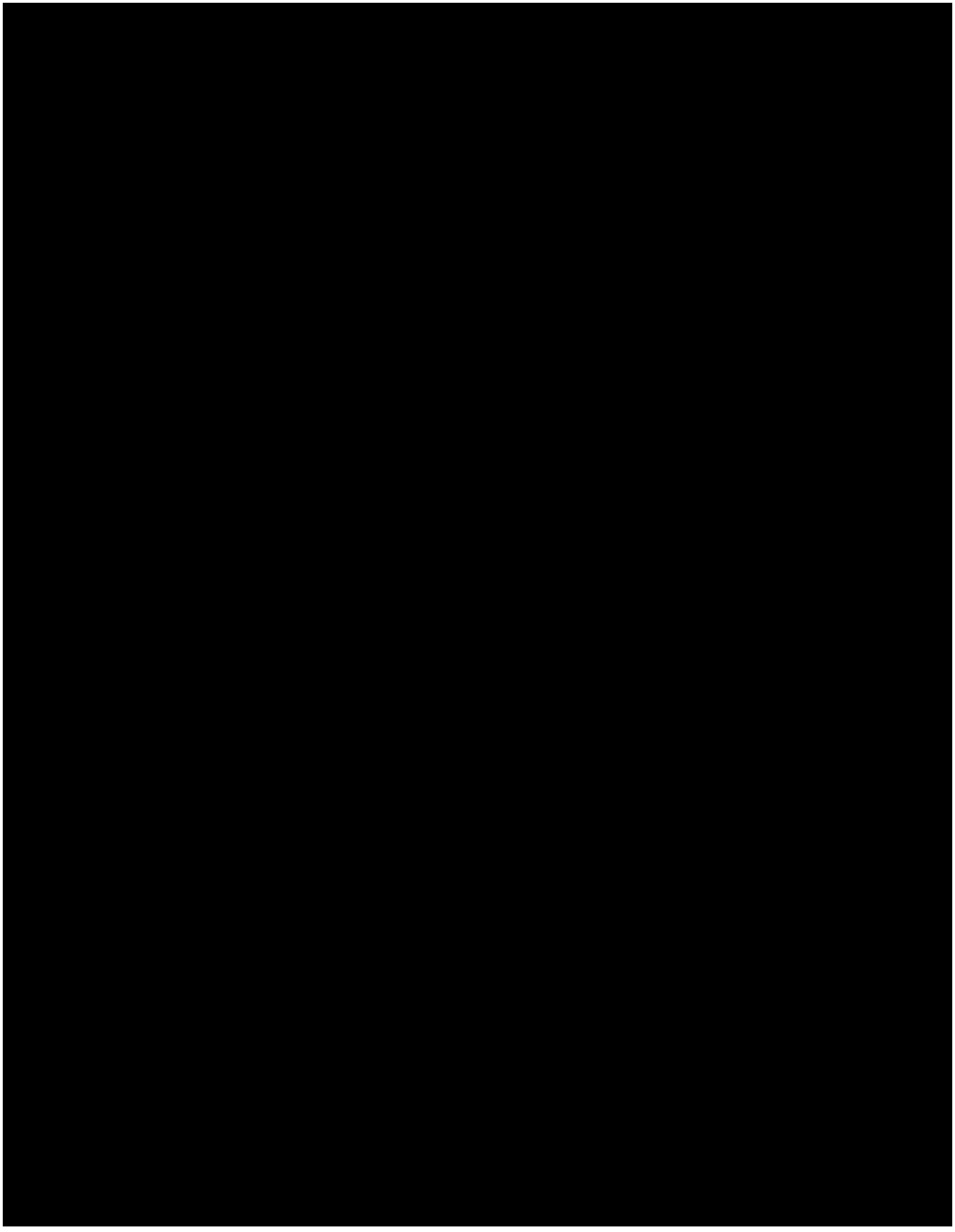

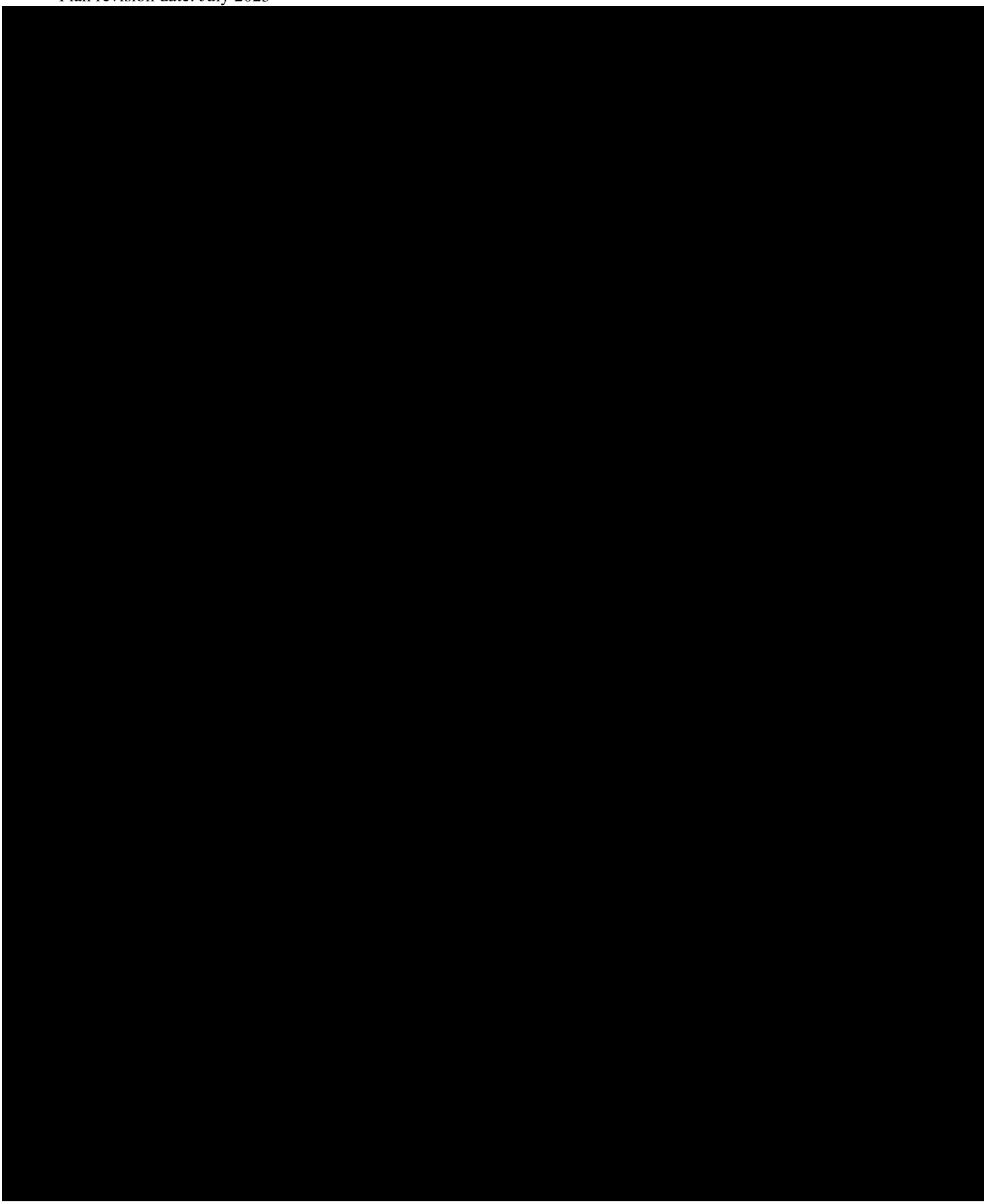

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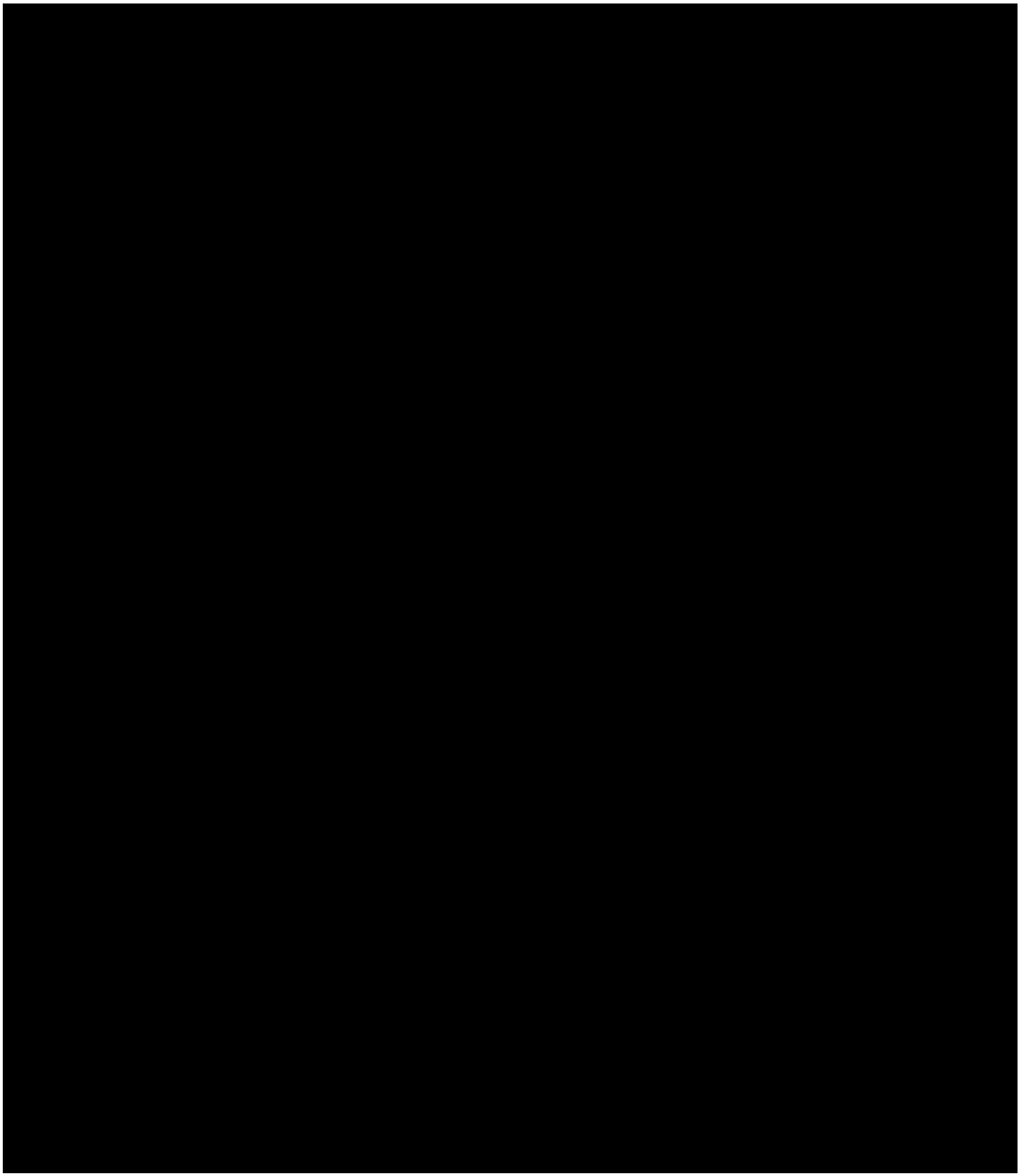
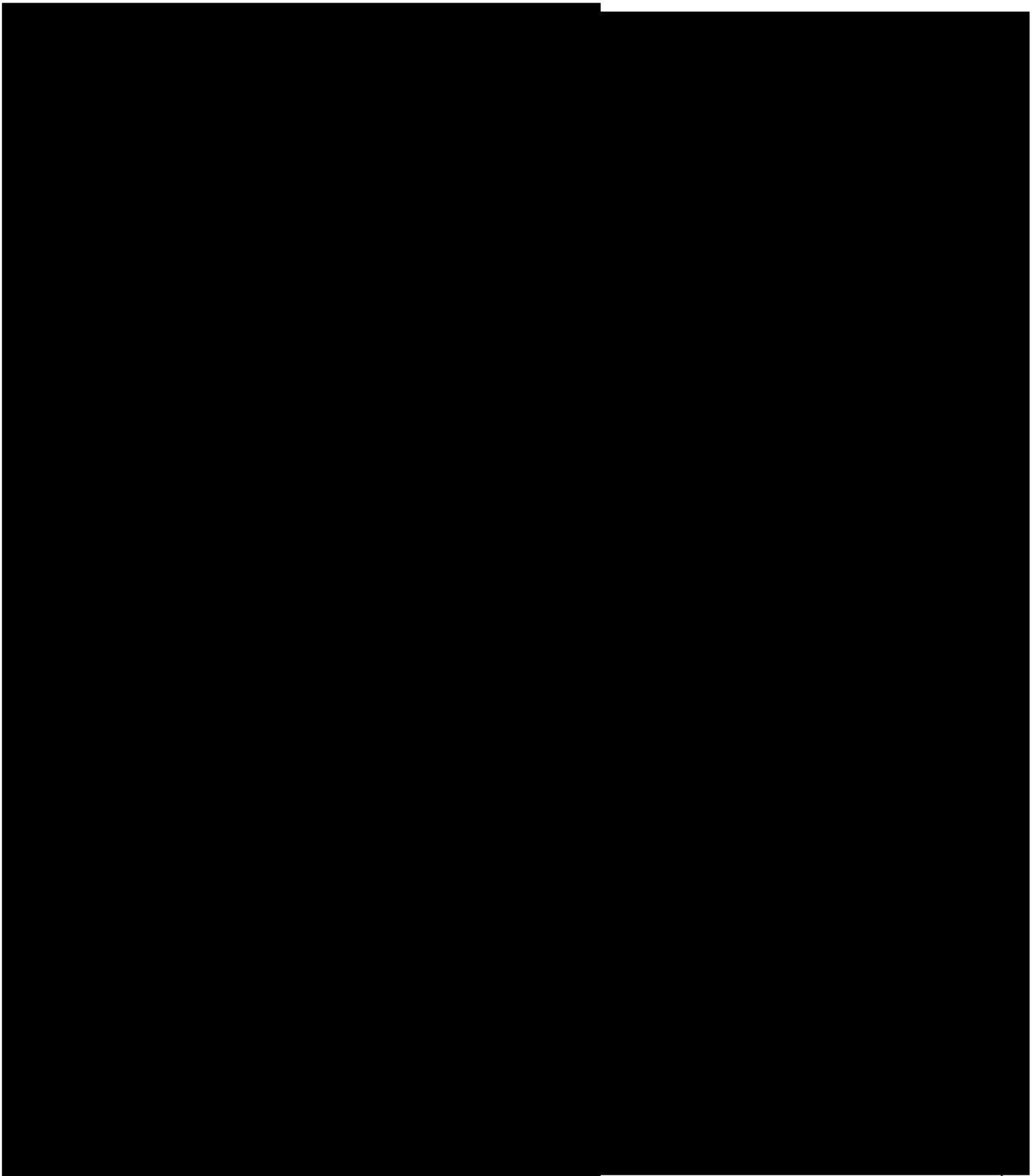


Ascension, Assumption and Iberville Parishes
Area of Donaldsonville, Louisiana

RIVER PARISH

Figure 2-1

RPS Project | July 2023



Iberville Parish Louisiana		
RIVER PARISH		**Figure** **2.2-1**
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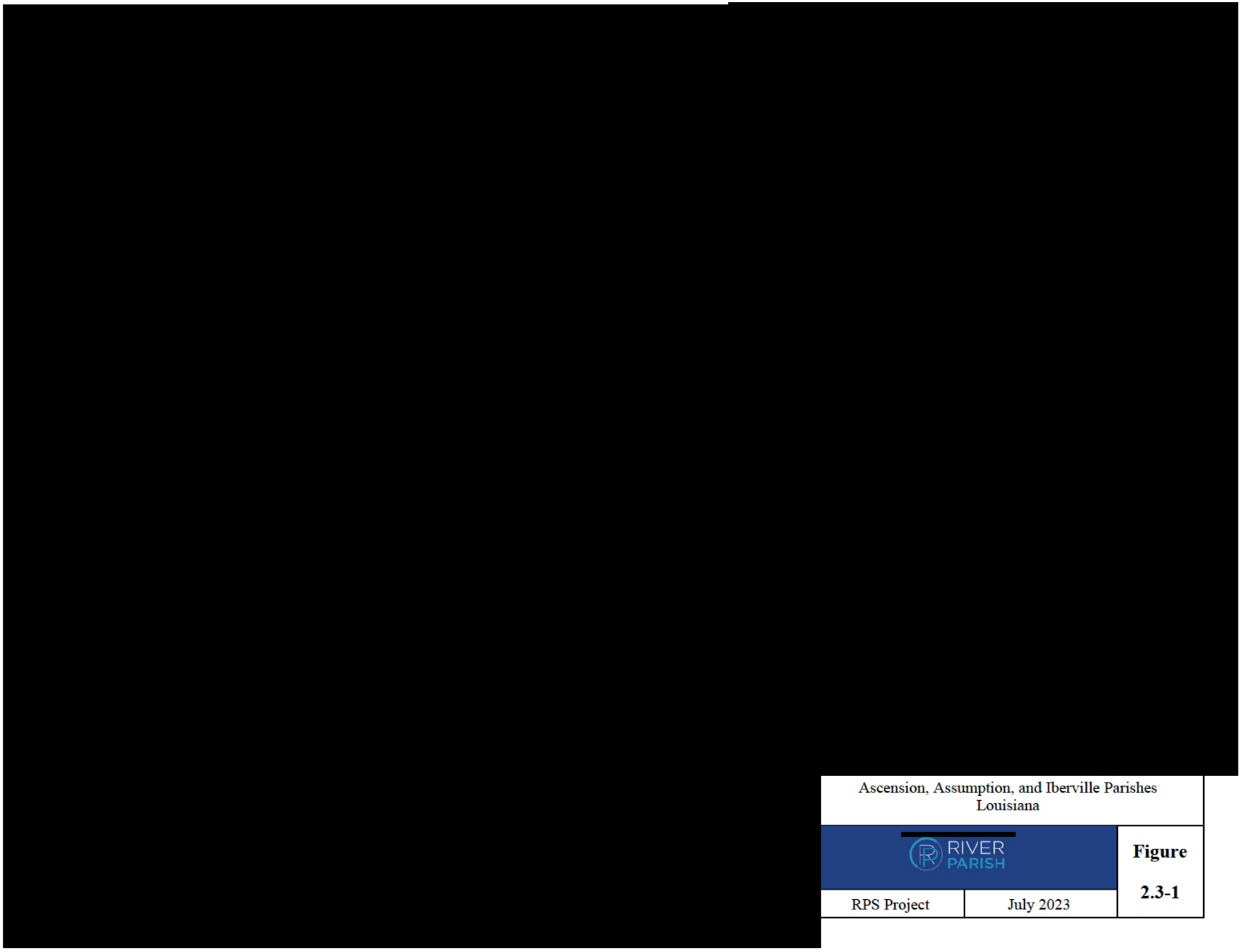


Ascension, Assumption, and Iberville Parishes
Louisiana

RIVER PARISH

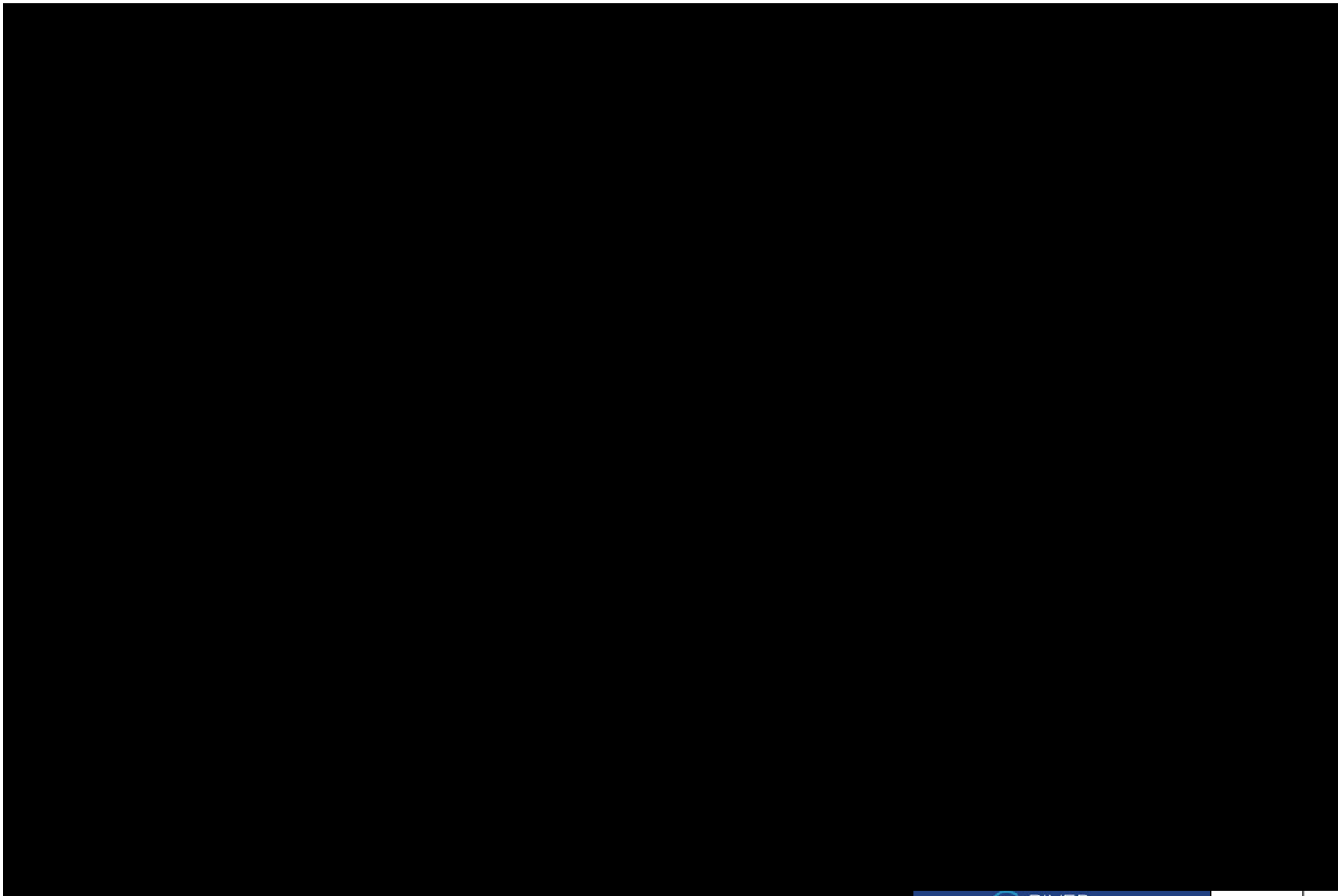
RPS Project	July 2023	**Figure 2.3-1**

Ascension, Assumption and Iberville Parishes
Area of Donaldsonville, Louisiana

RIVER PARISH

Figure 2.3-2

RPS Project | July 2023



RIVER PARISH

RPS Project	July 2023	Figure 2.3-3

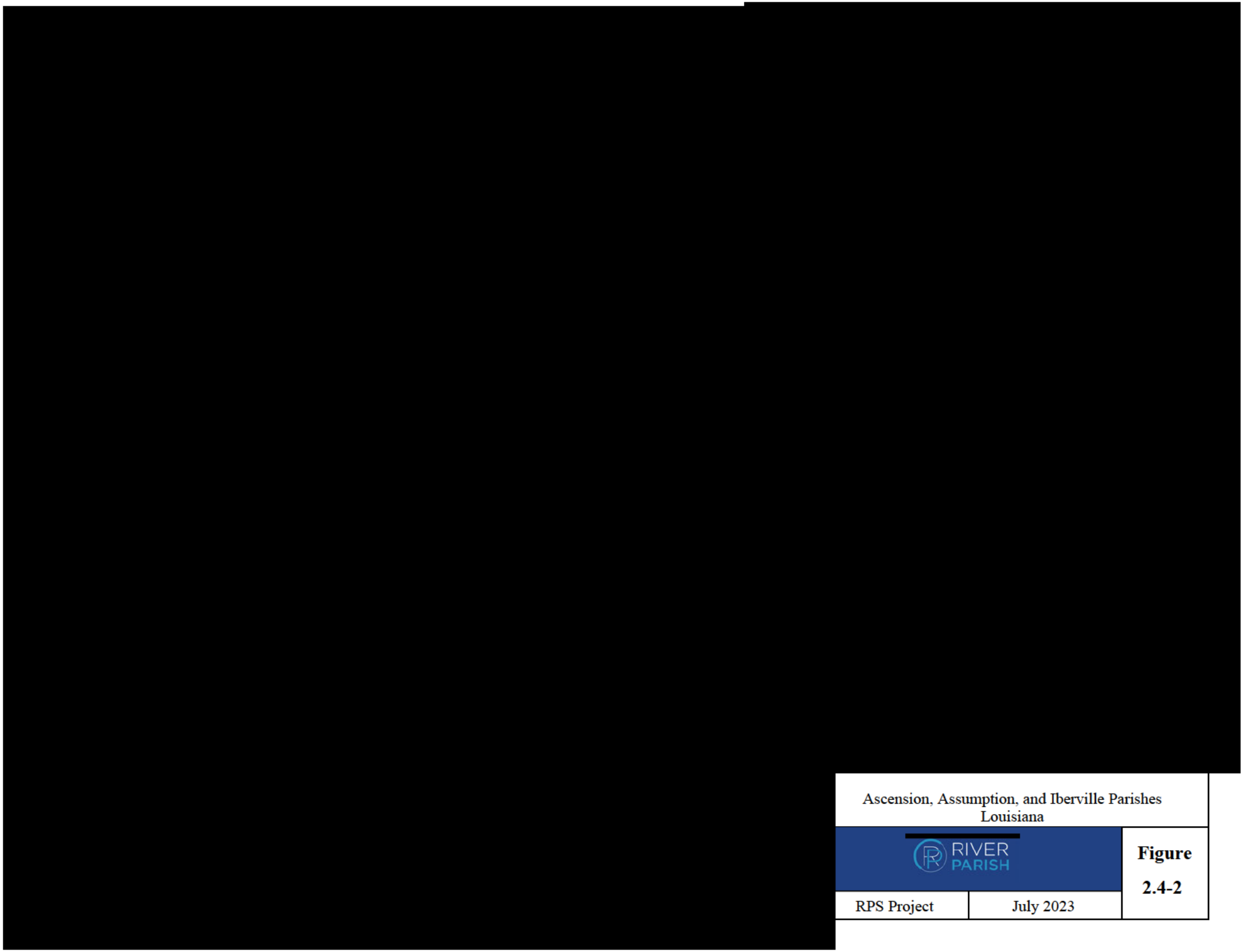
RIVER PARISH		Figure 2.3-4
RPS Project	July 2023	

Ascension, Assumption and Iberville Parishes
Area of Donaldsonville, Louisiana

RIVER PARISH

Figure 2.4-1

RPS Project | July 2023

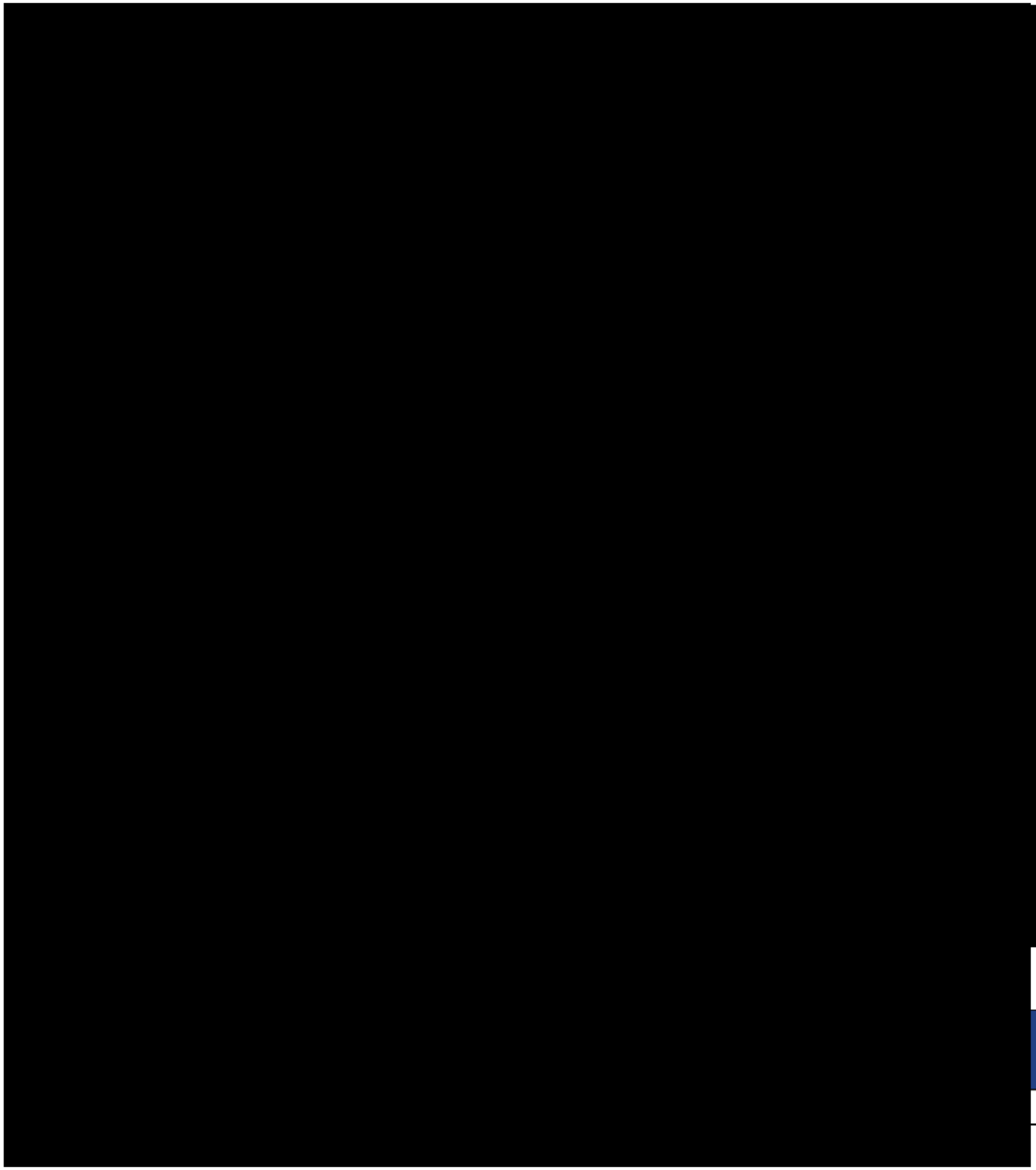


Ascension, Assumption, and Iberville Parishes
Louisiana

RIVER PARISH

Figure 2.4-2

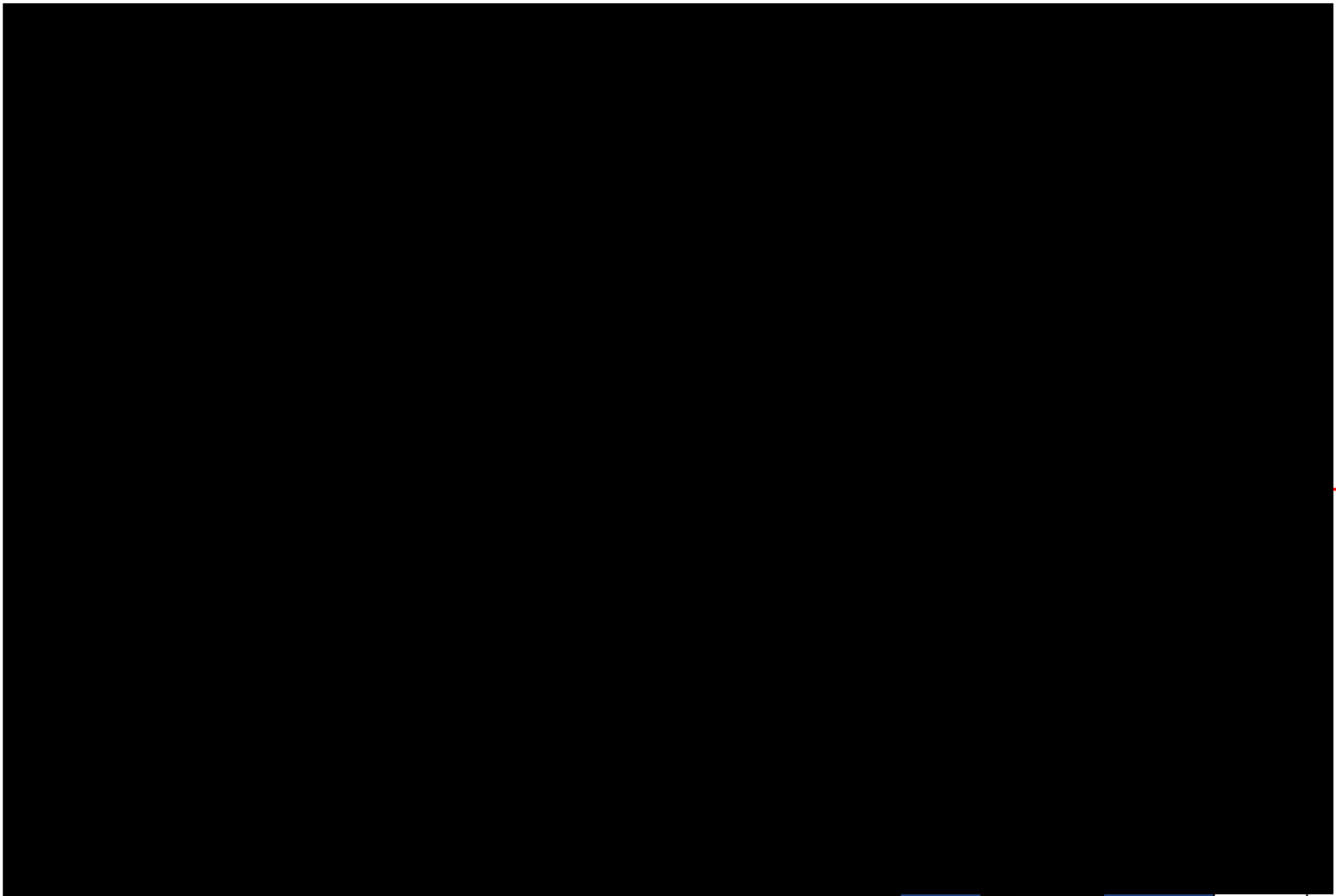
RPS Project | July 2023



Ascension, Assumption, and Iberville Parishes
Louisiana

RIVER PARISH

RPS Project	July 2023	**Figure 2.5-1**

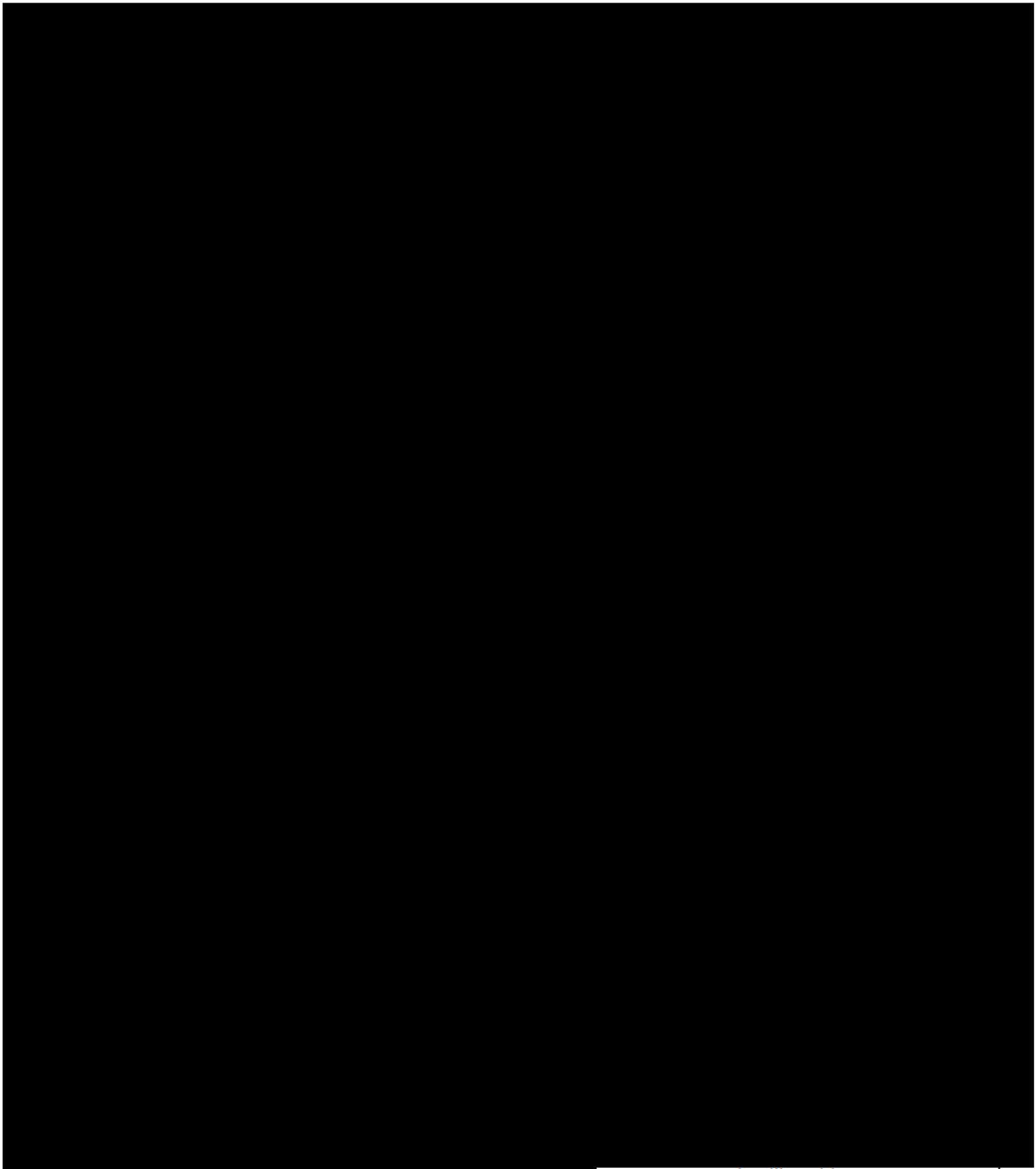


RIVER PARISH

RPS Project	July 2023	**Figure 3.1-1**

RIVER PARISH

RPS Project	July 2023	**Figure 3.1-2**



Iberville Parish
Louisiana

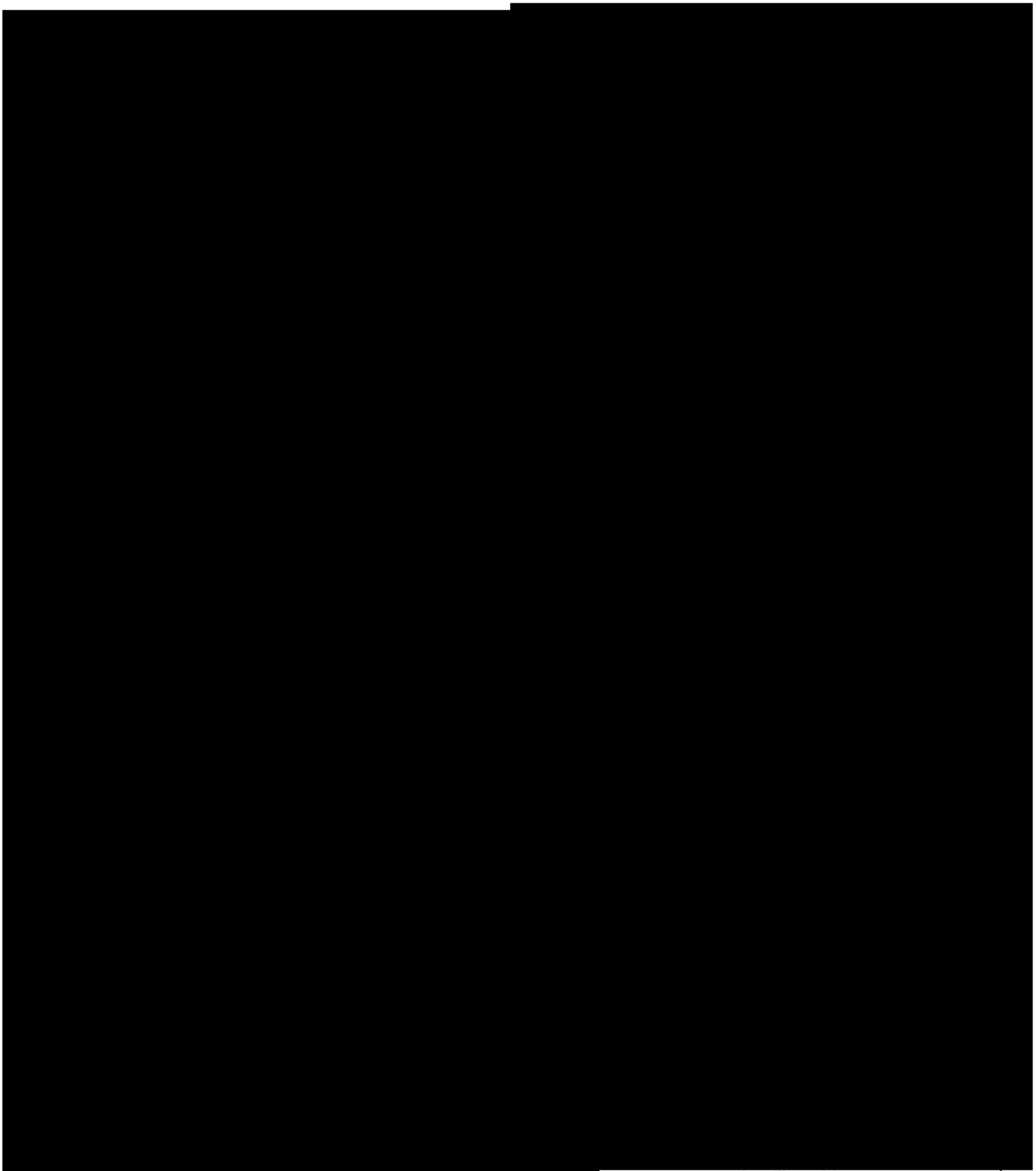
RIVER PARISH

Figure 3.1-3

RPS Project | July 2023

RIVER PARISH

RPS Project	July 2023	Figure 3.1-4



Iberville Parish Louisiana		
RIVER PARISH		**Figure** **3.1-5**
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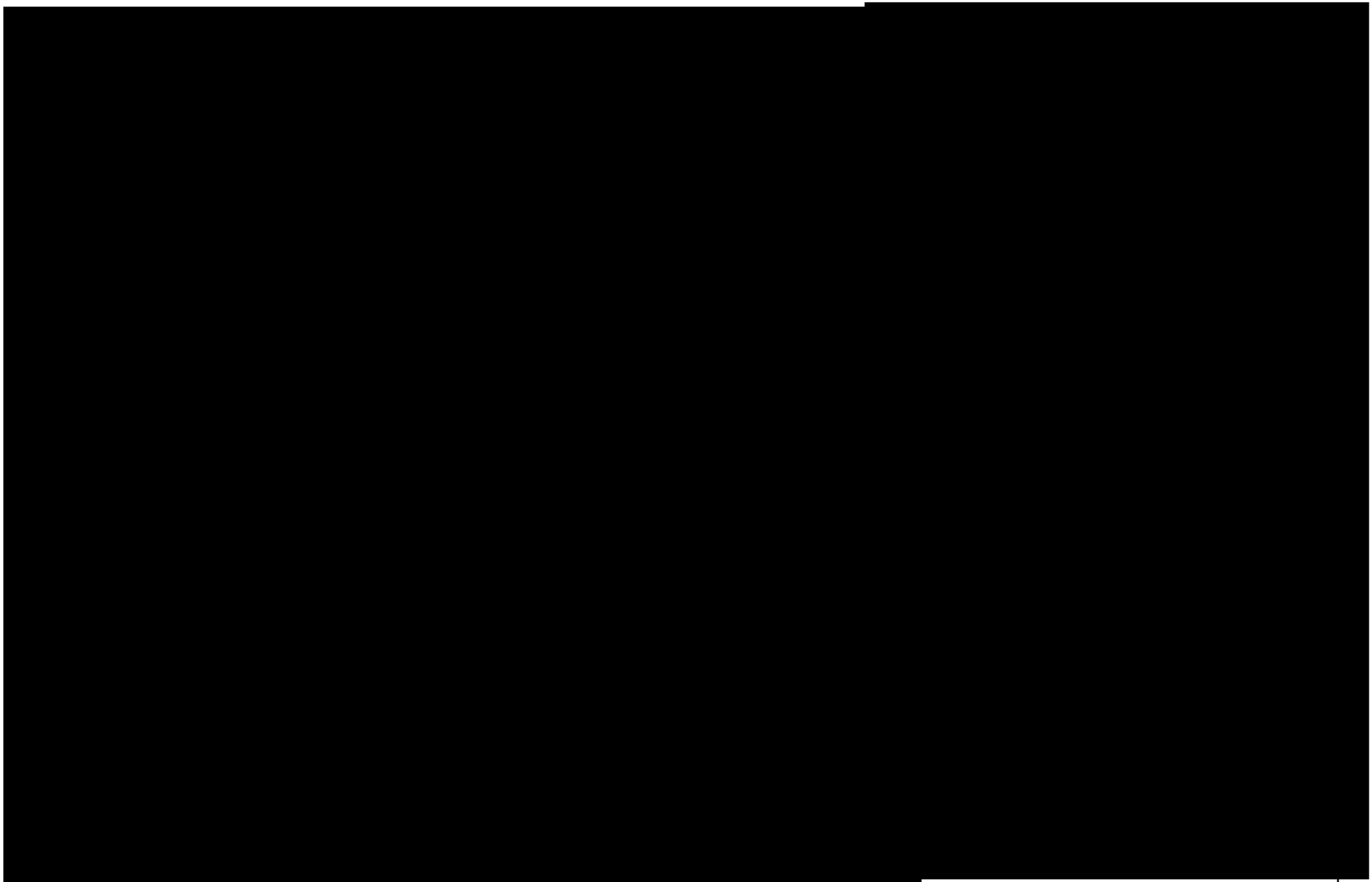
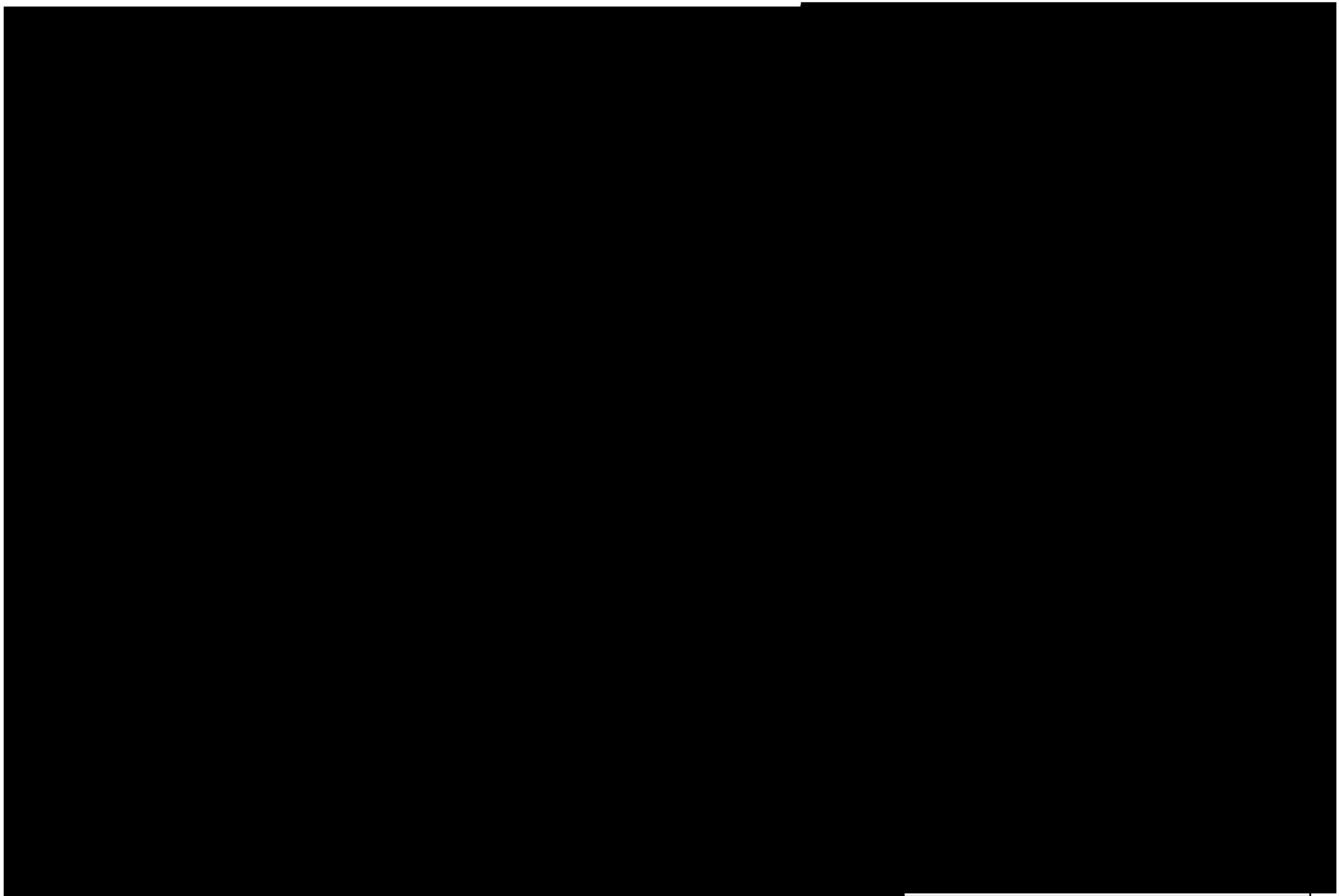


Louisiana

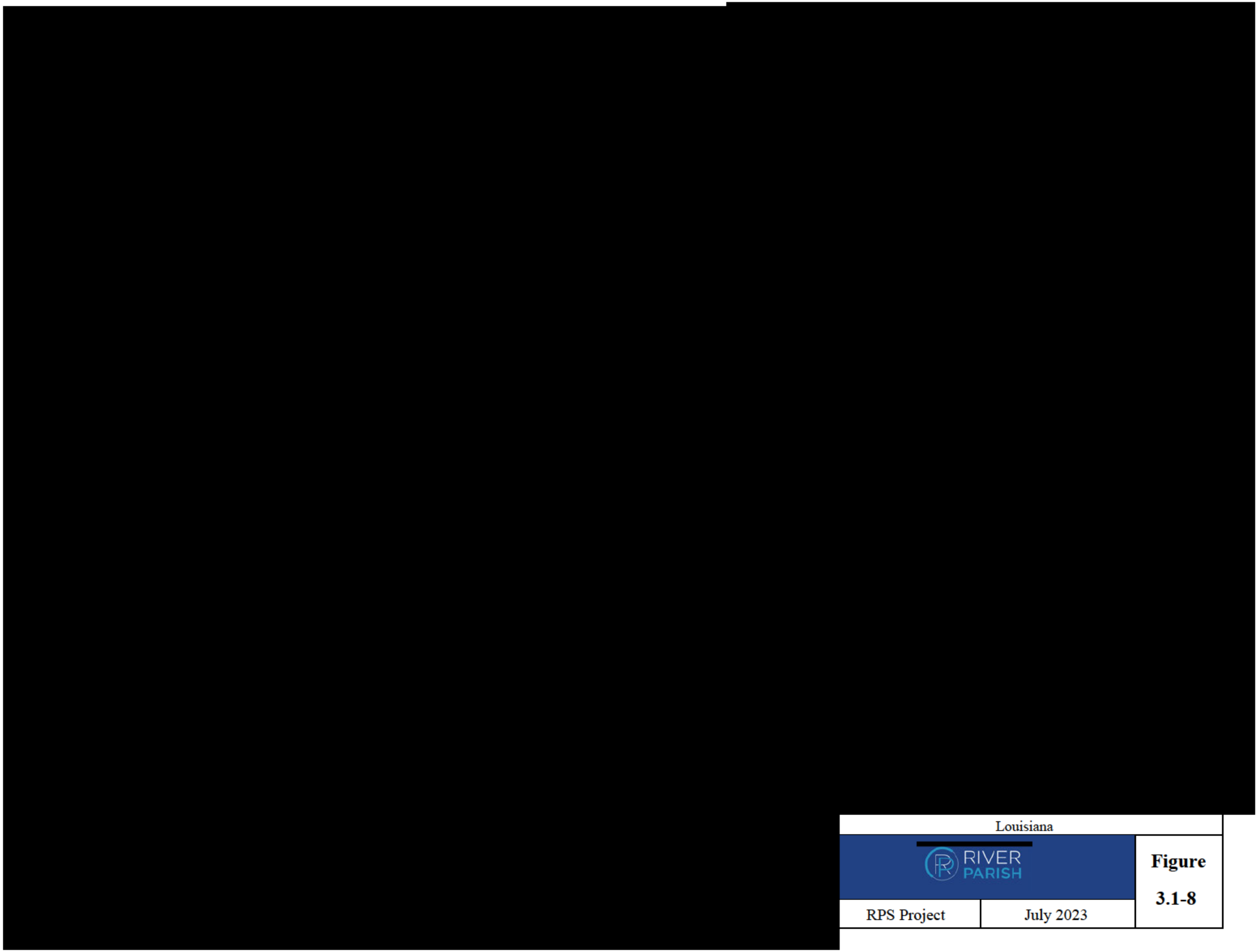
RIVER PARISH

RPS Project	July 2023	**Figure 3.1-6**



RIVER PARISH

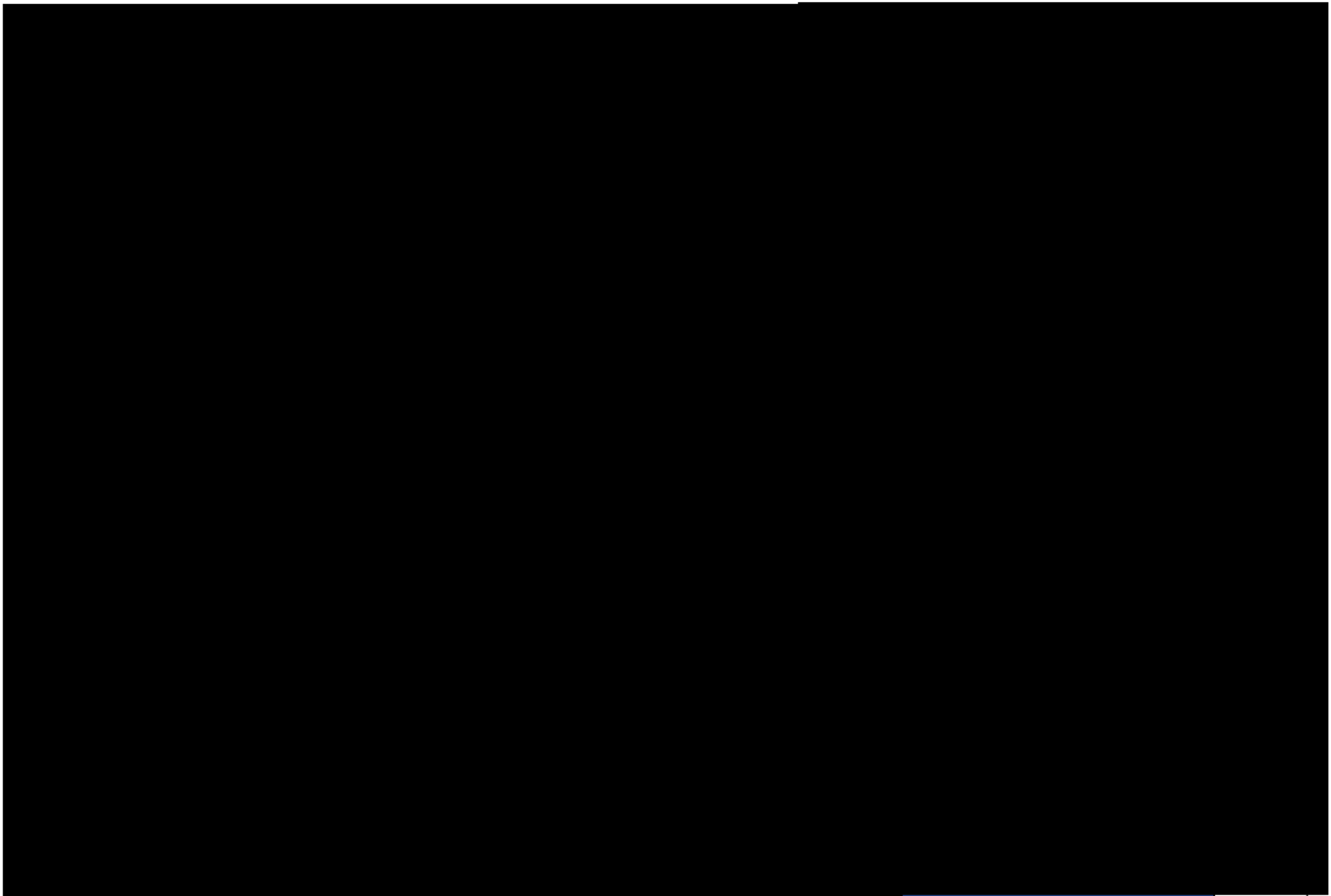
RPS Project	July 2023	**Figure 3.1-7**



Louisiana

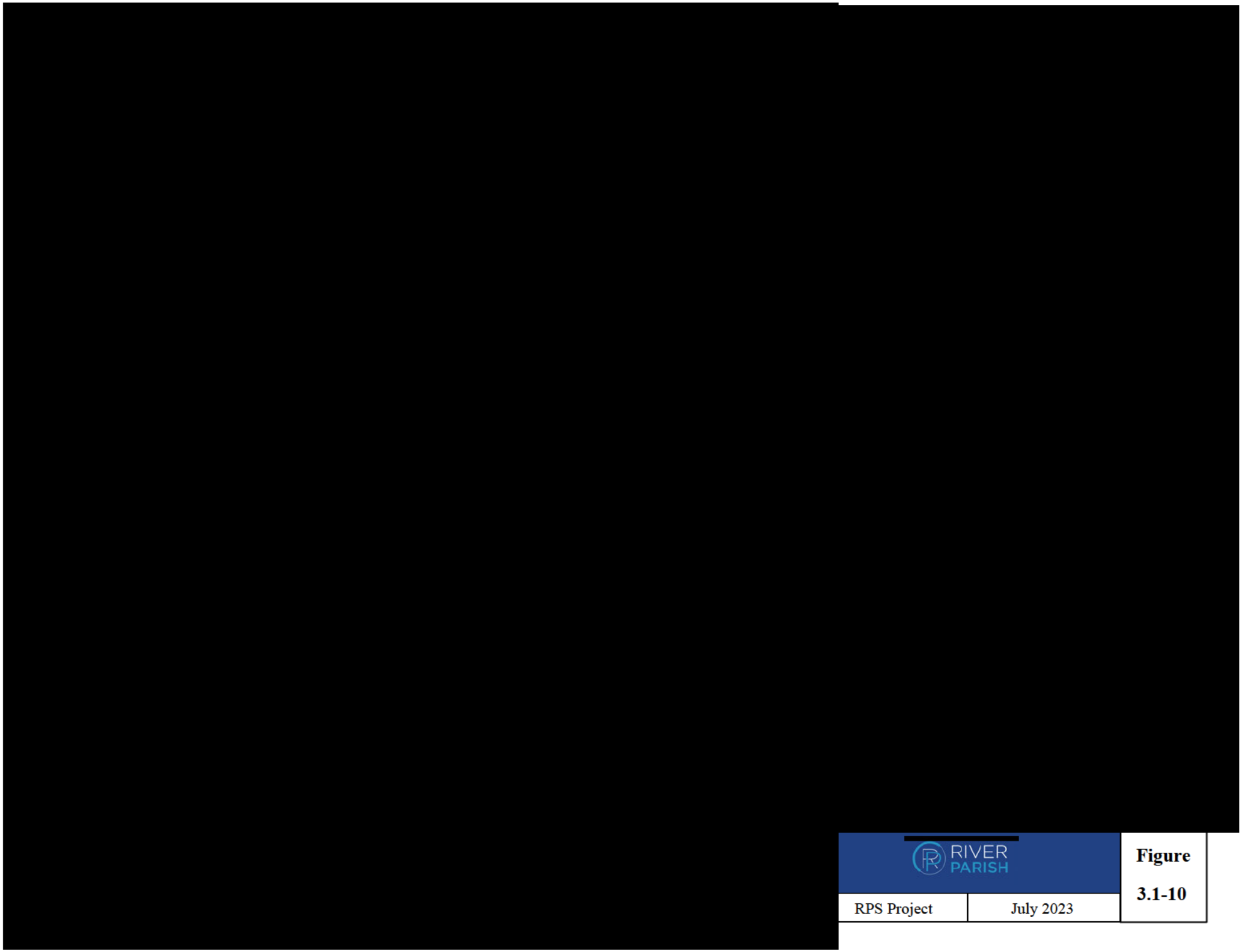
RIVER PARISH

RPS Project	July 2023	**Figure 3.1-8**



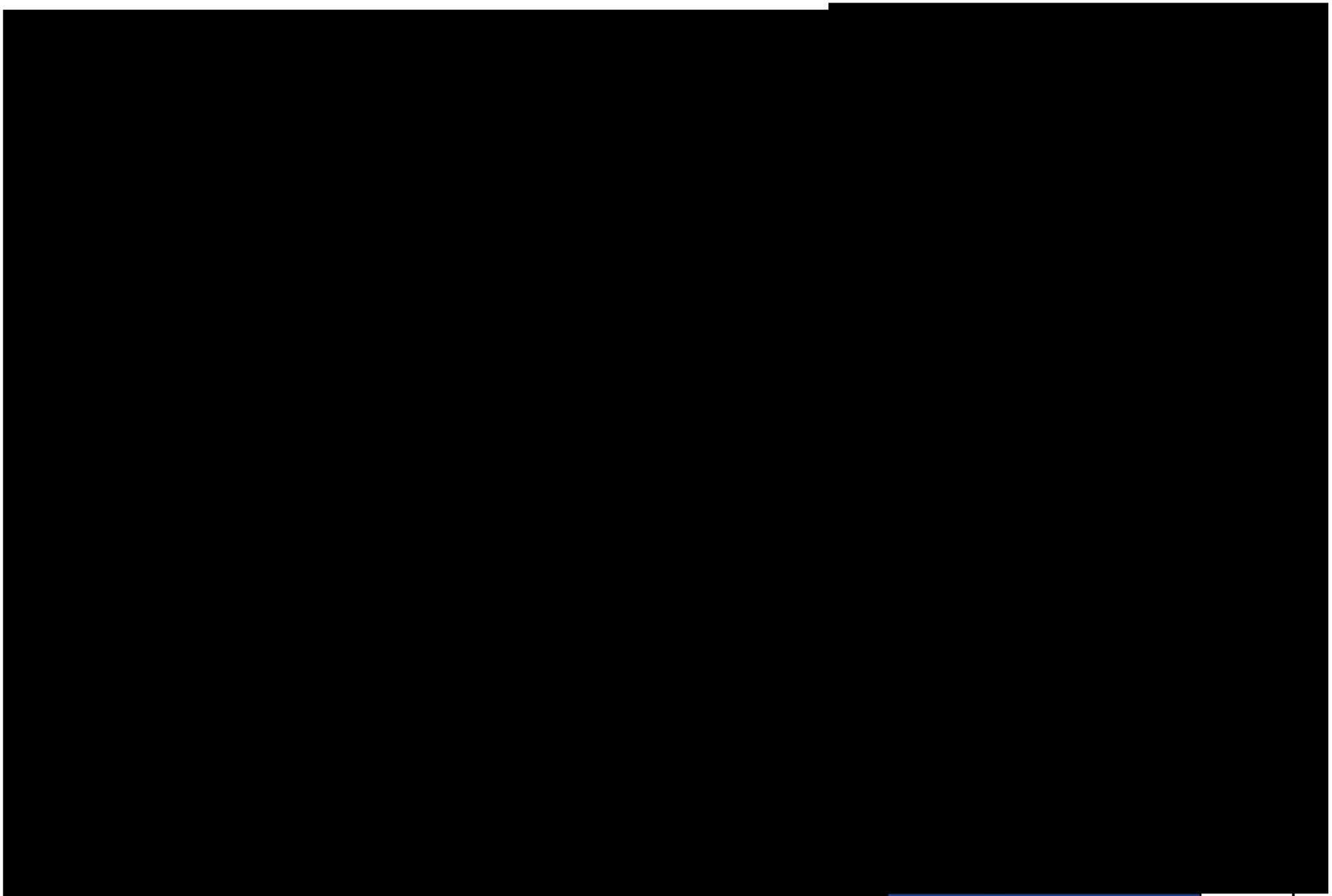
RIVER PARISH

RPS Project	July 2023	Figure 3.1-9



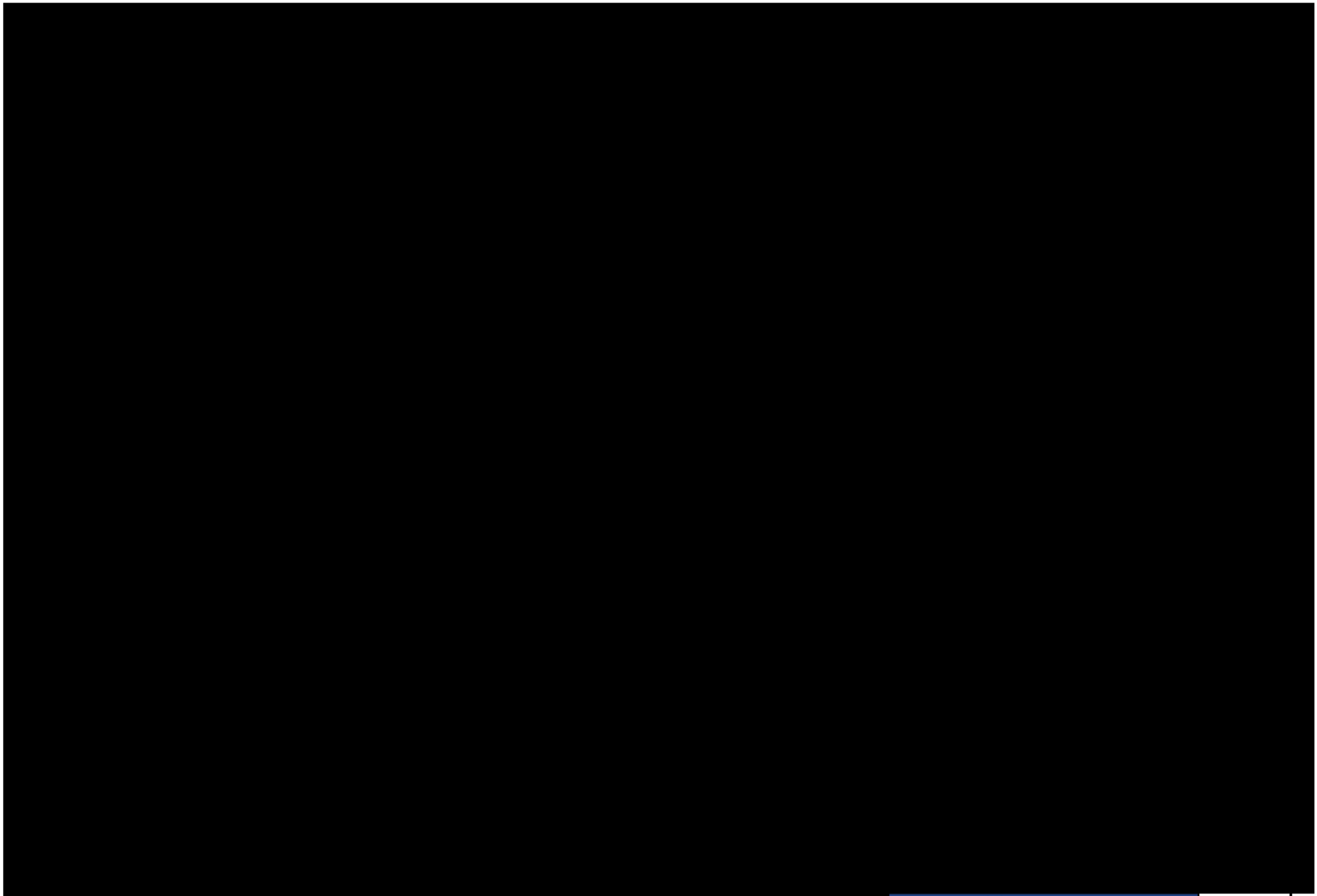
RIVER PARISH

RPS Project	July 2023	**Figure 3.1-10**



RIVER PARISH

RPS Project	July 2023	Figure 3.3-1



RIVER PARISH

RPS Project	July 2023	Figure 3.3-2

RIVER PARISH

RPS Project	July 2023

Figure 4.2-1